



Environmental & Engineering Services Nationwide



BASELINE ENVIRONMENTAL ASSESSMENT

32451 North Avis Drive and 32450-32470 Milton Avenue |
Madison Heights, Michigan
PM Project Number 02-7403-1

Prepared for:

SprayTek, Inc.
2535 Wolcott
Ferndale, Michigan 48220

Prepared by:

PM Environmental, Inc.
4080 West 11 Mile Road
Berkley, Michigan 48072

ENVIRONMENTAL SERVICES

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CONSULTANT CHECKLIST TO ACCOMPANY PHASE II INVESTIGATION REPORTS FOR COMERICA BANK

*Please check "YES" or "NO" as appropriate, If "Not Applicable," please write NA in the
Comments column*

REC = Recognized Environmental Condition

PAOC = Potential Area on Concern

	Yes	No	Comments
Were <u>all</u> RECs and PAOCs identified in the Phase I ESA report investigated in the Phase II study?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are all sampling locations clearly identified in the text of the report with the RECs and PAOCs, which they were intended to address?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the logic of the Phase II sampling plan clearly spelled out with respect to the sampling depths and locations chosen, the chemical analytes selected for analysis, the potential for groundwater impacts down gradient of source areas, the relevant exposure pathways, etc.?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were detectable concentrations of chemicals found in soil?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were detectable concentrations of chemicals found in groundwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were detectable concentrations of chemicals found in surface water?	<input type="checkbox"/>	<input type="checkbox"/>	NA
Was an exposure pathway analysis performed and documented in the report?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were <u>any</u> applicable cleanup or screening criteria exceeded in soil, groundwater, or surface water?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are the lateral and vertical extent of any chemically impacted soil, groundwater, or surface water <u>fully</u> defined?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

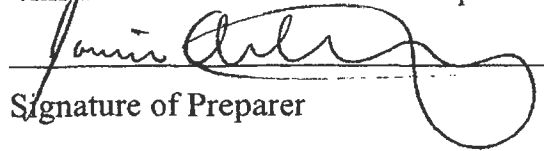
Are the sources of the contamination well understood?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is it possible that contamination extends or has migrated beyond the subjects property's boundaries?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Possible, but unlikely
Have sensitive receptors on or near the site been identified, evaluated, and described in the Phase II report?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is any contamination believed to have migrated to the subject property from off-site sources or locations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If so, have the potential impacts of those contaminants on subject property uses or activities (including any planned construction) been evaluated?	<input type="checkbox"/>	<input type="checkbox"/>	NA
Is any commingling of contaminants from on-site and off-site sources suspected?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Has groundwater flow direction been reliably determined at the subject property through the proper installation and surveying of monitoring wells?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Have recommendations for additional subsurface investigation been made?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Have recommendations for achieving regulatory closure been made?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Have the costs of achieving regulatory closure been provided (together with an approximate timetable for completion)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Has a site plan with all sampling locations clearly labeled been included in the report?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Has the groundwater flow direction been shown on the site plan which depicts the various sampling locations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were tables provided which compare any chemicals detected in soil, groundwater, or surface water to relevant and applicable cleanup or screening criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are soil boring and well installations logs included in the report?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are geological cross sections included?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are laboratory data sheets with QA/QC information included?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Michigan Sites Only

Does the property meet the definition of a "facility?"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If so, has a BEA been prepared?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Has the BEA been submitted to the MDEQ with a request for a determination of adequacy?	<input type="checkbox"/>	<input type="checkbox"/>	NA
If a response has been received, has it been included in the report?	<input type="checkbox"/>	<input type="checkbox"/>	NA
If the site is a "facility," has a Section 7A Compliance Analysis been performed and included in the report?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Has it been submitted to the MDEQ for a determination of adequacy?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Have costs associated with the required action steps been provided in the report?	<input type="checkbox"/>	<input type="checkbox"/>	NA
Have all required notifications and disclosures been made pursuant to the Part 201 rules?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

This Phase II Checklist was completed by:



Signature of Preparer

Jamie Antoniewicz

Printed Name of Preparer

7/1/2014

Date:

Project Engineer

Title of Preparer



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July 1, 2014

District Clerk
Michigan Department of Environmental Quality
Southeastern Michigan District Office
27700 Donald Court
Warren, Michigan 48092

**RE: Baseline Environmental Assessment for the Industrial Property
Located at 32451 North Avis Drive and 32450-32470 Milton Avenue
Madison Heights, Michigan (Parcel ID: 44-25-01-251-014)
PM Environmental, Inc. Project No. 02-7403-1**

Dear District Clerk:

Enclosed is a copy of the Baseline Environmental Assessment prepared for the above referenced subject property in accordance with Section 20126(1)(c) of Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act (NREPA), P.A. 451 of 1994 (Part 201), as amended.

If you have any questions regarding the information in this report, please contact us at 248-336-9988.

Sincerely,
PM ENVIRONMENTAL, INC.

Jamie Antoniewicz, P.E.
Project Engineer

Jennifer L. Ritchie, C.P.G.
Regional Site Investigation Manager

Enclosure



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July 1, 2014

Mr. Marvin Hairston
SprayTek, Inc.
2535 Wolcott
Ferndale, Michigan 48220

**RE: Baseline Environmental Assessment for the Industrial Property
Located at 32451 North Avis Drive and 32450-32470 Milton Avenue
Madison Heights, Michigan (Parcel ID: 44-25-01-251-014)
PM Environmental, Inc. Project No. 02-7403-1**

Dear Mr. Hairston:

Enclosed is a copy of the above-referenced document prepared in accordance with Section 20126(1)(c) of Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act (NREPA), P.A. 451 of 1994 (Part 201), as amended.

THIS BASELINE ENVIRONMENTAL ASSESSMENT WAS PERFORMED FOR THE EXCLUSIVE USE OF SPRAYTEK, INC. MADISON HEIGHTS, OAKLAND COUNTY, AND COMERICA BANK, EACH OF WHOM MAY RELY ON THE REPORT'S CONTENTS.

If you have any questions regarding the information in this report, please contact our office at 248-336-9988.

Sincerely,
PM ENVIRONMENTAL, INC.

Jamie Antoniewicz, P.E.
Project Engineer

Jennifer L. Ritchie, C.P.G.
Regional Site Investigation Manager

Enclosure

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1.0 INTRODUCTION AND DISCUSSION

PM Environmental, Inc. (PM) has completed a Baseline Environmental Assessment (BEA) for the industrial property (Parcel ID: 44-25-01-251-014) located at 32451 North Avis Drive, Madison Heights, Oakland County, Michigan 48071 (Figure 1). The subject property consists of one 3.21 acre parcel located west of North Avis Drive in Madison Heights, Michigan. The property is occupied by a 66,691 square foot building (Figure 2).

Standard and other historical sources documented the eastern portion of the current building was constructed in approximately 1966/1967, with a small addition constructed in 1973. Prior to that, the property consisted of agricultural land dating back to at least 1937. The eastern portion of the building was occupied by various industrial and/or manufacturing tenants from at least 1969 until 1992, was occupied by a binding company and/or a bottle warehouse/distributor from at least 1996 until early 2014, and is currently vacant. An addition was constructed as warehouse space to the western portion of the building in 1996/1997. This portion of the building has been occupied by various warehouse tenants since construction.

1.1 Owner/Operator Information

Spraytek, Inc. Madison Heights, 2535 Wolcott, Ferndale, Michigan 48220, intends to purchase the property on July 7, 2014.

1.2 Intended Use of the Subject Property

Spraytek, Inc. Madison Heights intends to utilize the property for metal finishing operations. Compounds that are identified in Section 2.0 and in Table 1 exceeding Part 201 cleanup criteria are not intended to be used by Spraytek, Inc. Madison Heights, with the exception of naphthalene. A list of chemicals utilized in SprayTek's operations are included in Appendix B.

1.3 Summary of All Appropriate Inquiry Phase I Environmental Assessment

PM performed a Phase I Environmental Site Assessment (ESA) for the subject property, dated June 16, 2014, in conformance with the scope and limitations of ASTM Practice E 1527-05 and E 1527-13 (i.e., the 'ASTM Standard'). A copy of the June 2014 Phase I ESA, including photographs of the subject property, is included in Appendix A.

The following onsite recognized environmental conditions (RECs) were identified in PM's June 2014 Phase I ESA:

- The eastern/original portion of the subject building was occupied by various industrial and/or manufacturing operations from at least 1969 until 1992, and likely back to construction in 1966/1967. Additionally, a site plan dated 1991 documents various operations in the eastern portion of the building, which include metal finishing, painting, printing and plating. Historical interior waste streams associated with the long-term former industrial and/or manufacturing operations would have consisted of general hazardous substances and/or petroleum products, likely including solvents and/or plating waste. A majority of this time period preceded major environmental regulations and current waste management and disposal procedures. Based upon shallow groundwater and PM's experience, the historical waste management practices associated with the former operations are unknown and may be a source of subsurface contamination.

- PM observed three floor drains and an apparent sealed floor drain in the eastern/original portion of the building. The installation date and integrity of the floor drains is unknown. Historical interior waste streams associated with the former industrial operations conducted in this portion of the building would have consisted of general hazardous substances and/or petroleum products. The potential exists for failure of the drainage system (i.e. cracks, leaks) to have occurred over time. The historical waste management practices associated with the floor drains are unknown and could be a source of subsurface contamination.
- PM observed a patched area of concrete (approximately five feet by ten feet) in the northwestern portion of the eastern/original portion of the subject building. PM was unable to document what the patched area was formerly associated with. Based upon the long-term former industrial use of this portion of the building, the patched area may have been associated with a press pit or some other type of subgrade pit. Historical interior waste streams associated with the former industrial operations conducted in this portion of the building would have consisted of general hazardous substances and/or petroleum products. Based upon the unknown former use of the patched area and the long-term former industrial operations with unknown historical waste management practices, the potential exists for subsurface contamination to be present in this area.

No adjoining and/or nearby RECs were identified.

1.3.1 Phase I ESA Exceptions or Deletions

There were no exceptions or deletions from the Federal All Appropriate Inquiry Rule under 40 CFR 312, or the ASTM Standard during the completion of the June 2014 Phase I ESA. And no special terms or conditions applied to the preparation of the Phase I ESA.

1.3.2 Phase I ESA Data Gaps

PM did not identify any significant data gaps during the completion of the June 2014 Phase I ESA.

1.4 Summary of Previous Site Investigations

No previous site investigations were identified by PM for the subject property. Previous reports may exist for the subject property, however, none were provided to PM by the client or owner of the property, and none were available with the appropriate state regulatory agencies.

1.5 Current Site Investigation

Prior to the commencement of field activities, MISSDIG, a utility locating service, was contacted to locate utilities on or adjacent to the subject property. Utilities were marked by the respective utility companies where they entered or were located adjacent to the subject property. Ground penetrating radar (GPR) was additionally utilized to clear boring locations of private utilities.

On June 5, 2014, PM completed a scope of work consisting of the advancement of ten soil borings (SB-1 through SB-10), installation of four temporary monitoring wells (TMW-2, TMW-5, TMW-7, and TMW-9) and the collection of 12 soil and four groundwater samples for laboratory analysis of volatile organic compounds (VOCs), polynuclear aromatic compounds (PNAs),

polychlorinated biphenyls (PCBs), and metals (cadmium, chromium, lead) to assess the RECs identified in PM's June 2014 Phase I ESA.

The table below summarizes the Phase II ESA activities including total depth, depth to water, objective of the soil boring, and sample justification.

Description of Soil Boring and Temporary Monitoring Well Locations

Location and Total Depth (feet bgs)	Soil Sample Depth (feet bgs)	TMW Screen and [DTW] (feet bgs)	Analysis	Objectives	Sample Selection (justification)
SB-1 (15.0)	3.5-4.5	NA	VOCs, PNAs, PCBs, Metals	Assess former operations and drain	Soil: Sample collected from the sand/clay interface based on the lack of field evidence of contamination. GW: Not encountered.
SB/TMW-2 (15.0)	8.0-9.0	3.0-8.0 [3.30]	VOCs, PNAs, PCBs, Metals	Assess former operations and sealed drain	Soil: Sample collected from below saturated zone based on the lack of field evidence of contamination. GW: Sampled.
SB-3 (10.0)	4.0-5.0	NA	VOCs, PNAs, PCBs, Metals	Assess former operations	Soil: Sample collected from the sandy clay interface based on the lack of field evidence of contamination. GW: Not encountered.
SB-4 (15.0)	3.0-4.0 and 9.0-10.0	NA	VOCs, PNAs, PCBs, Metals	Assess former operations and drain	Soil: Sample collected from the interval with the highest PID reading (1,140 ppm) and deeper for delineation. GW: Not encountered.
SB/TMW-5 (15.0)	5.0-6.0	2.5-7.5 [2.86]	VOCs, PNAs, PCBs, Metals	Assess former operations and drain	Soil: Sample collected from sand/clay interface below saturated zone based on the lack of field evidence of contamination. GW: Sampled.
SB-6 (20.0)	4.0-5.0	NA	VOCs, PNAs, PCBs, Metals	Assess former operations	Soil: Sample collected from the interval with the highest PID reading (6.9 ppm). GW: Not encountered.
SB/TMW-7 (15.0)	5.0-6.0	1.3-6.3 [2.30]	VOCs, PNAs, PCBs, Metals	Assess former operations	Soil: Sample collected from sand/clay interface below saturated zone based on the lack of field evidence of contamination. GW: Sampled.
SB-8 (15.0)	4.0-5.0	NA	VOCs, PNAs, PCBs, Metals	Assess former operations	Soil: Sample collected from the sand/clay interface based on the lack of field evidence of contamination. GW: Not encountered.

Location and Total Depth (feet bgs)	Soil Sample Depth (feet bgs)	TMW Screen and [DTW] (feet bgs)	Analysis	Objectives	Sample Selection (justification)
SB/TMW-9 (15.0)	4.0-5.0	2.65-7.65 [5.91]	VOCs, PNA's, PCBs, Metals	Assess former operations and drain	Soil: Sample collected from the underlying clay based on the lack of field evidence of contamination. GW: Sampled.
SB-10 (20.0)	3.0-4.0	NA	VOCs, PNA's, PCBs, Metals	Assess former operations, drain, and patched concrete	Soil: Sample collected from the sand/clay interface based on the lack of field evidence of contamination. GW: Not encountered.

GW – Groundwater

bgs – below ground surface

NA – Not Applicable

PID – photoionization detector

DTW – depth to water

ppm – parts per million

1.5.1 Investigation Techniques and QA/QC Procedures

The soil borings were advanced to the desired depth using a direct push drill rig or stainless steel hand auger. Soil sampling was performed for soil classification, verification of subsurface geologic conditions, and for investigating the potential and/or extent of soil and groundwater contamination at the subject property. Soil samples were generally collected on a continuous basis using a direct push drill rig or stainless steel hand auger.

During drilling operations, the drilling equipment was cleaned to minimize the possibility of cross contamination. These procedures included cleaning equipment with a phosphate free solution (i.e., Alconox®) and rinsing with distilled water after each sample collection. Drilling and sampling equipment was also cleaned in this manner prior to initiating field activities.

Soils collected from discrete sample intervals were screened using a PID to determine if VOCs were present. Soil from specific depths was placed in plastic bags, sealed, and allowed to volatilize. The headspace within each bag was then monitored with the PID. The PID is able to detect trace levels of organic compounds in the air space within the plastic bag. The PID utilizes a 10.6 electron volts (eV) lamp. Soil samples were collected from the soil borings based upon the highest PID reading, visual/olfactory evidence, a change in geology, surficial soil, and/or directly above saturated soil.

During drilling operations, the drilling equipment was cleaned to minimize the possibility of cross contamination. These procedures included cleaning equipment with a phosphate free solution and rinsing with tap, deionized, or distilled water after each sample collection. Drilling and sampling equipment was cleaned in this manner or with a high-temperature pressure washer, prior to field activities.

Soil samples for VOC analysis were preserved with methanol, in accordance with United States Environmental Protection Agency (USEPA) method 5035. Soil samples were placed in appropriately labeled containers with Teflon lined lids and/or sanitized glass jars, placed in an ice packed cooler, and transported under chain of custody procedures for laboratory analysis within applicable holding times.

Temporary monitoring wells were installed in the soil borings to collect groundwater samples for chemical analysis. New well assemblies were used for the temporary wells, consisting of a 5-foot long, one-inch diameter, 0.010-inch slot, schedule 40, PVC screen and a 1-inch diameter PVC casing. After the screen for the well was set to the desired depth, natural sands were allowed to collapse around the well screen. The wells were developed using either a new disposable 0.9-inch diameter bailer or peristaltic pump equipped with new, chemically inert, 3/8-inch diameter polyethylene and silicon tubing. Well development was performed by purging until clear, turbid free groundwater was observed coming from the well.

Groundwater samples were placed in appropriately labeled containers, placed in an ice packed cooler, and transported under chain of custody procedures for laboratory analysis within applicable holding times.

Upon completion of the investigation, the temporary well material was removed from the soil borings and the soil borings were abandoned by placing the soil cuttings back into the borehole, filling the void with bentonite chips, hydrating the chips, resurfacing and returning the area to its pre-drilling condition.

The following QA/QC samples were collected:

- A-1: Trip blank – soil (methanol)
- A-2: Trip Blank – groundwater (HCl)
- A-3: Co-located groundwater (TMW-7)
- A-4: Co-located soil (SB-4 (3.0-4.0))
- A-5: Field Blank
- A-6: Equipment blank (macro-core)

No contamination was identified above the laboratory MDLs in the sample blanks. The co-located groundwater sample was consistent with the companion sample. The co-located soil sample did not correlate; however, this is likely attributed to the variability of the clay soil caused concentrations to vary between the co-located soil samples.

1.6 Geology and Hydrogeology

Based upon onsite observations of soil samples and cuttings collected from the soil borings that were advanced at the subject property by PM, the general soil stratigraphy consists of sand or sandy clay to a depth of 4.0 to 5.0 feet bgs, underlain by medium-stiff to stiff clay to a depth of 20.0 feet bgs, the maximum depth explored.

Limited, discontinuous, and perched groundwater was encountered in four (SB-2, SB-5, SB-7, and SB-9) of the ten soil borings between 2.3 and 5.9 feet bgs. Soil boring logs depicting the soil stratigraphy, PID readings, and temporary monitoring well details are included in Appendix B.

2.0 LOCATION OF CONTAMINATED MEDIA ON THE SUBJECT PROPERTY

The analytical results for the samples collected during site investigation activities conducted by PM were compared with the Michigan Department of Environmental Quality (MDEQ) Generic Cleanup Criteria and Screening Levels as presented in Part 201 Rules 299.1 through 299.50, dated December 30, 2013 entitled "Cleanup Criteria Requirements for Response Activity", in

accordance with Section 20120a(1) using the Residential and Nonresidential cleanup criteria. The analytical results are summarized in Tables 1 and 2 and on Figure 3 and 4.

Summary of Analytical Results

Location and Total Depth (feet bgs)	Soil Sample Depth (feet bgs)	TMW Screen and [DTW] (feet bgs)	Analysis	Objectives	Part 201 GCC Exceedances	
					Soil	GW
SB-1 (15.0)	3.5-4.5	NA	VOCs, PNA's, PCBs, Metals	Assess former operations and drain	NONE	NA
SB/TMW-2 (15.0)	8.0-9.0	3.0-8.0 [3.30]	VOCs, PNA's, PCBs, Metals	Assess former operations and sealed drain	NONE	NONE
SB-3 (10.0)	4.0-5.0	NA	VOCs, PNA's, PCBs, Metals	Assess former operations	NONE	NA
SB-4 (15.0)	3.0-4.0	NA	VOCs, PNA's, PCBs, Metals	Assess former operations and drain	GSIP: naphthalene	NA
	9.0-10.0				NONE	
SB/TMW-5 (15.0)	5.0-6.0	2.5-7.5 [2.86]	VOCs, PNA's, PCBs, Metals	Assess former operations and drain	NONE	NONE
SB-6 (20.0)	4.0-5.0	NA	VOCs, PNA's, PCBs, Metals	Assess former operations	DWP: cis-1,2-DCE	NA
SB/TMW-7 (15.0)	5.0-6.0	1.3-6.3 [2.30]	VOCs, PNA's, PCBs, Metals	Assess former operations	NONE	NONE
SB-8 (15.0)	4.0-5.0	NA	VOCs, PNA's, PCBs, Metals	Assess former operations	NONE	NA
SB/TMW-9 (15.0)	4.0-5.0	2.65-7.65 [5.91]	VOCs, PNA's, PCBs, Metals	Assess former operations and drain	NONE	NONE
SB-10 (20.0)	3.0-4.0	NA	VOCs, PNA's, PCBs, Metals	Assess former operations, drain, and patched concrete	NONE	NA

DWP/P: drinking water/ protection
GSI/P: groundwater surface water interface/ protection
DC: direct contact

R: Residential
DCE: dichloroethylene

Soil analytical results identified concentrations of VOCs above laboratory method detection limits (MDLs) in SB-4 (3.0-4.0) and SB- 6 (4.0-5.0) which included the concentrations of naphthalene and cis-1,2-DCE outlined above that exceed Part 201 DWP or GSIP cleanup criteria. No other concentrations of VOCs were identified in the remaining soil samples above laboratory MDLs.

Soil analytical results identified concentrations of naphthalene and 2-methylnaphthalene in SB-4 (3.0-4.0) that are below the most restrictive Part 201 Residential cleanup criteria. No other PNA concentrations were identified in the remaining soil samples above laboratory MDLs.

Soil analytical results did not identify concentrations of PCBs above laboratory MDLs in any of the soil samples collected.

Soil analytical results identified concentrations of cadmium, chromium, and/or lead in each of the samples collected that are below the Statewide Default Background Levels (SDBLs).

Groundwater analytical results did not identify any concentrations of VOCs, PNAs, chromium, or lead above laboratory MDLs. The concentration of cadmium identified in TMW-2 was below the most restrictive Part 201 Residential cleanup criteria.

2.1 Subject Property Facility Status

A location where a hazardous substance is present in excess of the concentrations, which satisfy the requirements of subsection 20120a(1)(a) or (17), is a facility pursuant to Part 201. Section 20120a(1)(a) requirements are the cleanup criteria for unrestricted residential usage.

Contaminant concentrations identified on the subject property indicate exceedances to the Part 201 Residential and Nonresidential DWP and GSIP cleanup criteria. Therefore, the subject property is a facility under Part 201 of P.A. 451, as amended, and the rules promulgated thereunder.

3.0 PROPERTY INFORMATION

3.1 Legal Description of Subject Property

A copy of the legal description is included in Appendix D as part of the assessing information.

3.2 Map of Subject Property

Refer to Figure 1, Property Location Map; and Figure 2, Generalized Diagram of the Subject Property and Surrounding Area which depicts the property/parcel boundaries.

3.3 Subject Location and Analytical Summary Maps

Figures 3 and 4 provide a scaled map of the subject property with site structures and sampling locations with analytical results.

3.4 Subject Property Location Map

Figures 1 and 2 provide scaled area maps depicting the subject property location in relation to the surrounding area.

3.5 Subject Property Address

As indicated in Section 1.0, the subject property (Parcel ID: 44-25-01-251-014) is located at 32451 North Avis Drive, Madison Heights, Oakland County, Michigan 48071

3.6 Subject Spatial Data

As depicted in Figure 1, the subject property is located in township one North (T. 1N), range 11 East (R. 11E), Section one, northeast quarter, southwest quarter-quarter, Madison Heights, Oakland County, Michigan.

According to the MDEQ Groundwater Mapping Project Website, the center of the subject property is located at latitude 42.5301 and a longitude of -83.0960.

4.0 FACILITY STATUS OF SUBJECT PROPERTY

As indicated in Section 2.1, based upon documented exceedances of the Part 201 Residential and Nonresidential DWP and GSIP cleanup criteria in samples collected from the subject property, the subject property is a facility as defined under Part 201 of P.A. 451, as amended, and the rules promulgated thereunder.

4.1 Summary Data Tables

The analytical results were compared with the MDEQ Generic Cleanup Criteria and Screening Levels as presented in Part 201 Rules 299.1 through 299.50, dated December 30, 2013 entitled "Cleanup Criteria Requirements for Response Activity" in accordance with Section 20120a(1) using the Residential and Nonresidential cleanup criteria.

The analytical results for compounds exceeding Part 201 cleanup criteria are summarized in Section 2.0. A summary of the analytical results are included in Tables 1 and 2.

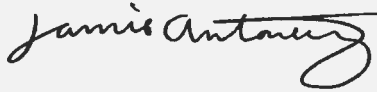
4.2 Laboratory Reports and Chain of Custody Documentation

Samples collected were submitted for chemical analysis under chain of custody procedures and within applicable holding times. Refer to the laboratory analytical report in Appendix C.

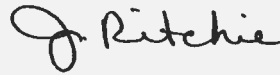
5.0 IDENTIFICATION OF BEA AUTHOR

This BEA was conducted on July 1, 2014, by Mr. Jamie Antoniewicz, P.E., Project Engineer, and reviewed by Ms. Jennifer L. Ritchie, C.P.G., Regional Site Investigation Manager, PM Environmental, Inc., which is prior to or within 45 days of purchase. Qualification statements are provided as Appendix E.

We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Jamie Antoniewicz, P.E.
Project Engineer



Jennifer L. Ritchie, C.P.G.
Regional Site Investigation Manager

6.0 AAI REPORT OR ASTM PHASE I ESA

As indicated in Section 1.3, PM performed a Phase I ESA, dated June 16, 2014, in conformance with the scope and limitations of ASTM Practice E 1527-05 and E 1527-13 of the subject property (Parcel ID: 44-25-01-251-014) located at 32451 North Avis Drive, Madison Heights, Oakland County, Michigan 48071. The scope of the Phase I ESA included consideration of hazardous substances as defined in Section 20101(1)(y) of P.A 451 of 1994, as amended, and constituted the performance of an All Appropriate Inquiry in conformance with the standards and practices set forth in 40 CFR Part 312.

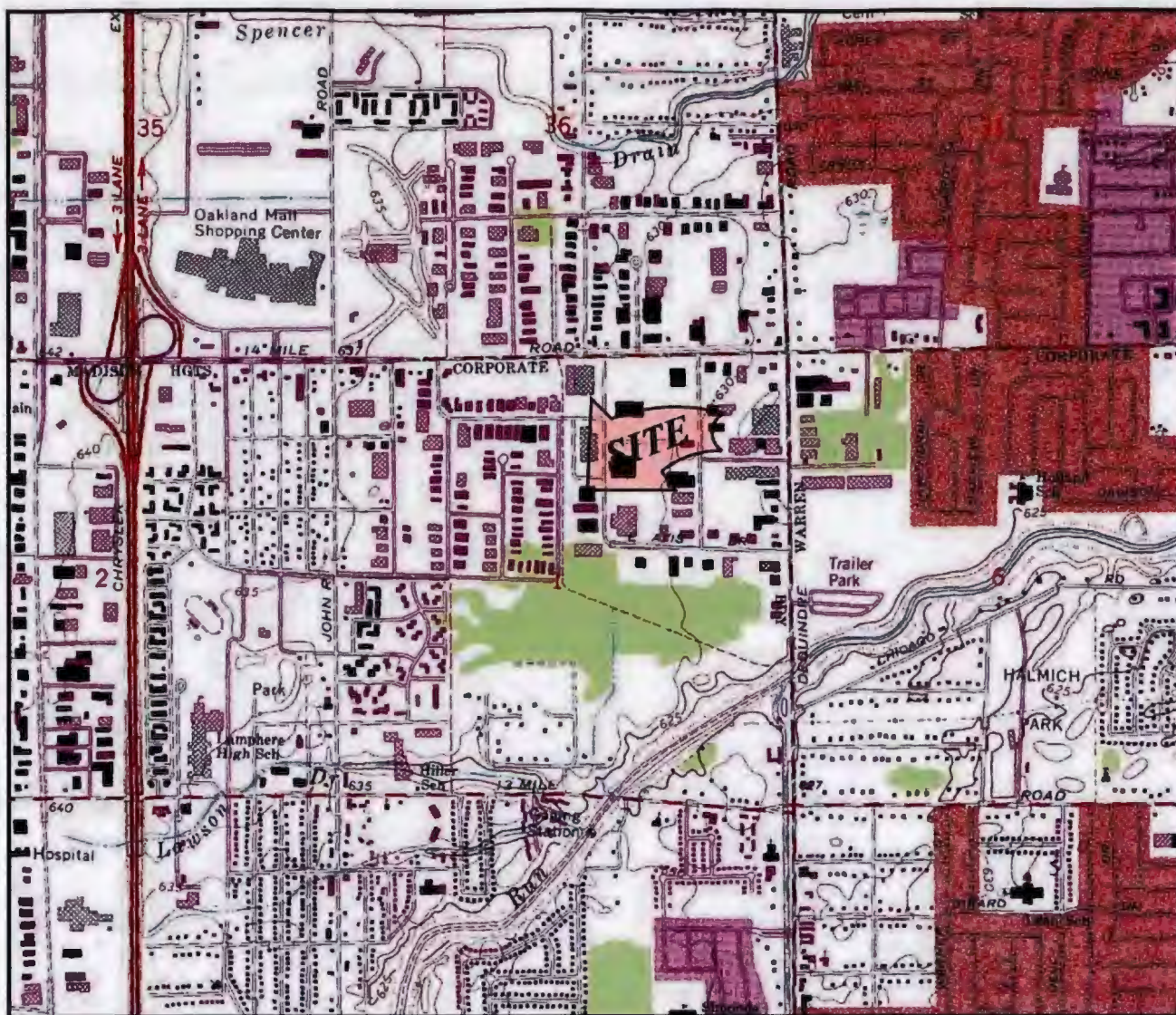
A copy of the June 2014 Phase I ESA is included in Appendix A.

7.0 REFERENCES

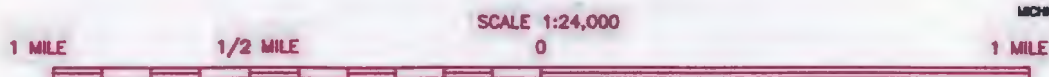
- "Part 201 Cleanup Criteria and Part 213 Risk-based Screening Levels," Revised December 30, 2013 and in accordance with Section 20120a(1);
- MDEQ Operational Memorandum No. 4 "Site Characterization and Remediation Verification – Attachment 10, Peer Review Draft Groundwater Not in an Aquifer," February 2007;
- MDEQ Operational Memorandum No. 2 "Sampling and Analysis," October 22, 2004, Revised July 5, 2007;
- MDEQ May 2013 Guidance Document for the Vapor Intrusion Pathway;
- Baseline Environmental Submittal Form (EQP 4025), June 2013; and
- Phase I ESA, June 16, 2014, PM.

Figures





OAKLAND COUNTY



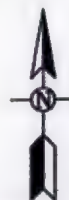
MICHIGAN QUADRANGLE LOCATION

FIGURE 1

PROPERTY VICINITY MAP

USGS, 7.5 MINUTE SERIES

WARREN, MI QUADRANGLE, 1968. PHOTO REVISED 1973 AND 1980.



Environmental
& Engineering
Services

PROJ: INDUSTRIAL PROPERTY
32451 NORTH AVIS DRIVE AND
32450-32470 MILTON AVENUE
MADISON HEIGHTS, MI

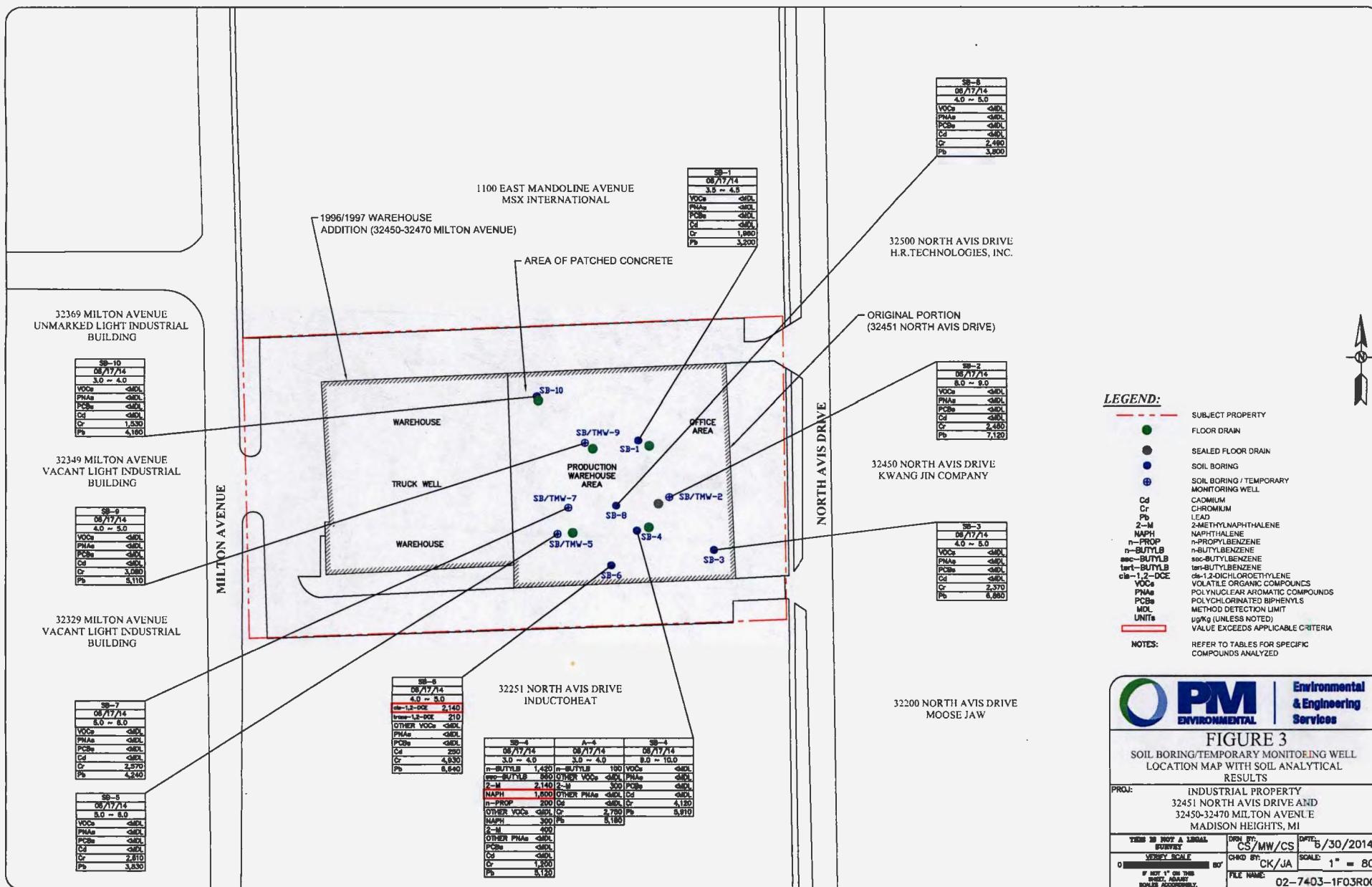
THIS IS NOT A LEGAL
SURVEY

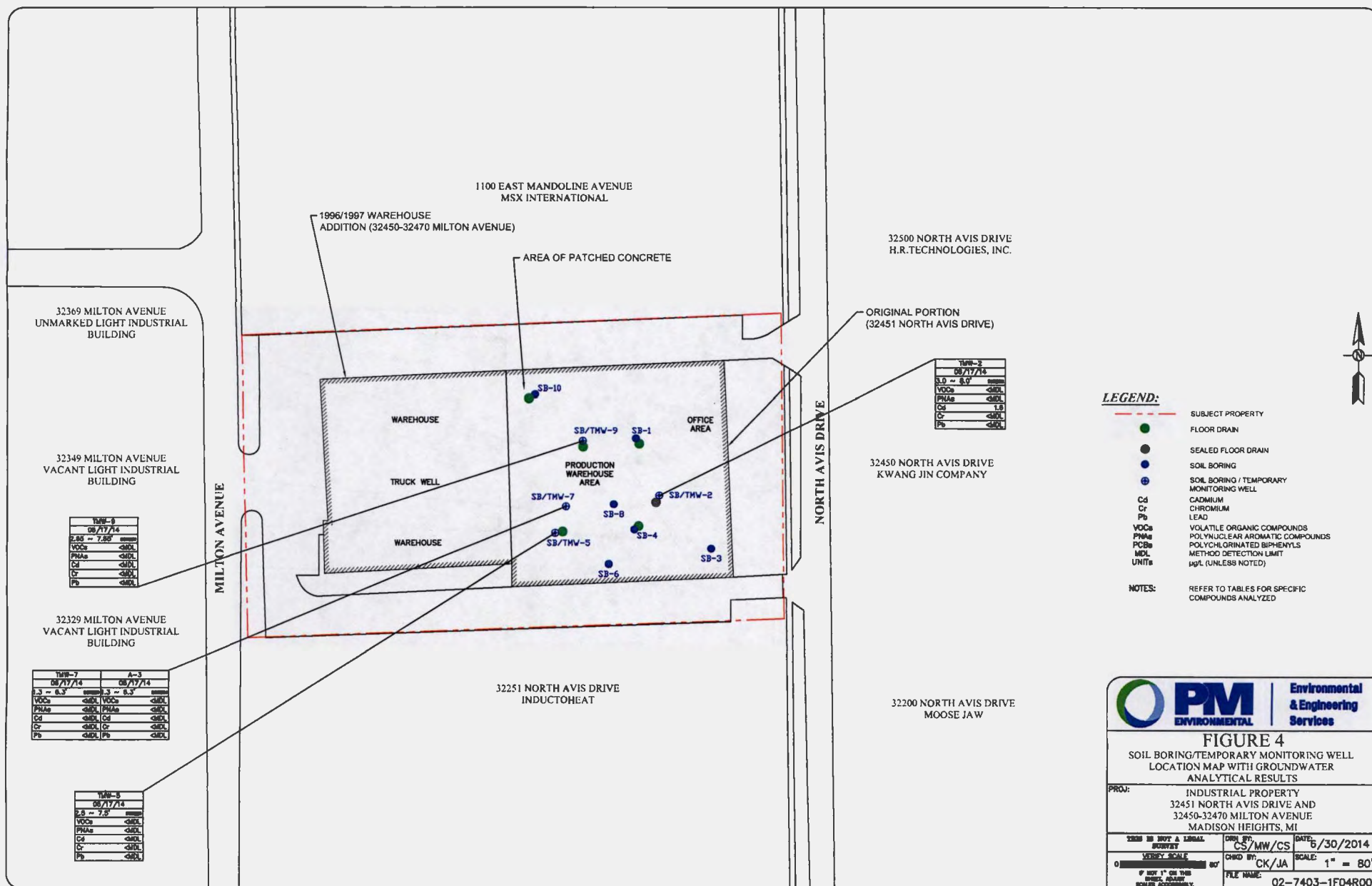
VERIFY SCALE

0 2,000'
IF NOT 1" ON THIS
SHEET, ADJUST
SCALES ACCORDINGLY.

DRN BY: CS	DATE: 6/30/2014
CHKD BY: CK/JA	SCALE: 1" = 2,000'
FILE NAME: 02-7403-1F01R00	







Tables

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
VOCs, PNAs, PCBs, AND METALS
32451 NORTH AVIS DRIVE, MADISON HEIGHTS, MICHIGAN
PM PROJECT #02-7403-1

VOLATILE ORGANIC COMPOUNDS (VOCs), POLYNUCLEAR AROMATIC COMPOUNDS (PNAs), POLYCHLORINATED BIPHENYLS (PCBs), AND METALS (µg/Kg)			n-Butylbenzene	sec-Butylbenzene	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	2-Methylnaphthalene	Naphthalene	n-Propylbenzene	Other VOCs	Naphthalene	2-Methylnaphthalene	Other PNAs	PCBs	Cadmium	Chromium	Lead
Chemical Abstract Service Number (CAS#)			104518	135988	156592	156605	91576	91203	103651	Various	91203	91576	Various	1336363	7440439	16065831	7439921
Sample ID	Sample Date	Sample Depth (feet bgs)	VOCs								PNAs			PCBs	METALS		
SB-1	06/17/2014	3.5-4.5	<70	<70	<70	<70	<490	<490	<100	ND	<300	<300	ND	<330	<200	1,960	3,200
SB-2	06/17/2014	8.0-9.0	<80	<80	<80	<80	<560	<560	<200	ND	<300	<300	ND	<330	<200	2,460	7,120
SB-3	06/17/2014	4.0-5.0	<70	<70	<70	<70	<480	<480	<100	ND	<300	<300	ND	<330	<200	2,370	6,860
SB-4	06/17/2014	3.0-4.0	1,420	560	<80	<80	2,140	1,600	200	ND	300	400	ND	<330	<200	1,200	5,120
A-4			100	<70	<70	<70	<470	<470	<100	ND	<300	300	ND	<330	<200	2,750	5,160
SB-4	06/17/2014	9.0-10.0	<70	<70	<70	<70	<480	<480	<100	ND	<300	<300	ND	<330	<200	4,120	5,910
SB-5	06/17/2014	5.0-6.0	<90	<90	<90	<90	<620	<620	<200	ND	<300	<300	ND	<330	<200	2,670	3,830
SB-6	06/17/2014	4.0-5.0	<80	<80	2,140	210	<540	<540	<200	ND	<300	<300	ND	<330	250	4,930	6,640
SB-7	06/17/2014	5.0-6.0	<90	<90	<90	<90	<580	<580	<200	ND	<300	<300	ND	<330	<200	2,570	4,240
SB-8	06/17/2014	4.0-5.0	<70	<70	<70	<70	<450	<450	<100	ND	<300	<300	ND	<330	<200	2,490	3,800
SB-9	06/17/2014	4.0-5.0	<90	<90	<90	<90	<570	<570	<200	ND	<300	<300	ND	<330	<200	3,080	5,110
SB-10	06/17/2014	3.0-4.0	<80	<80	<80	<80	<530	<530	<200	ND	<300	<300	ND	<330	<200	1,530	4,160
Cleanup Criteria Requirements for Response Activity (R 299.1 - R 299.50)																	
Generic Soil Cleanup Criteria Tables 2 and 3: Residential and Non-Residential Part 201 Generic Cleanup Criteria and Screening Levels/Part 213 Risk-Based Screening Levels, December 30, 2013																	
Residential (µg/Kg)																	
Statewide Default Background Levels	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,200	18,000	21,000
Drinking Water Protection (Res DWP)	1,800	1,800	1,400	2,000	57,000	35,000	1,800	Various	35,000	57,000	Various	NLL	6,000	30,000	7.00E+05		
Groundwater Surface Water Interface Protection (GSIP)	ID	ID	12,000	30,000 (G)	4,200	730	ID	Various	730	4,200	Various	NLL	5,600 (G,X)	4.8E+06 (G,X)	5.2E+06 (G,X)		
Soil Volatilization to Indoor Air Inhalation (Res SVII)	ID	ID	22,000	23,000	2.70E+06	2.50E+05	ID	Various	2.50E+05	2.70E+06	Various	3.0E+06	NLV	NLV	NLV		
Ambient Air Infinite Source Volatile Soil Inhalation (Res VSI)	ID	ID	1.80E+06	2.80E+05	1.50E+06	3.00E+05	ID	Various	3.0E+05	1.50E+06	Various	2.40E+05	NLV	NLV	NLV		
Ambient Air Finite VSI for 5 Meter Source Thickness	ID	ID	4.20E+06	8.30E+05	1.50E+06	3.00E+05	ID	Various	3.0E+05	1.50E+06	Various	7.9E+06	NLV	NLV	NLV		
Ambient Air Finite VSI for 2 Meter Source Thickness	ID	ID	9.90E+06	2.00E+06	1.50E+06	3.00E+05	ID	Various	3.0E+05	1.50E+06	Various	7.9E+06	NLV	NLV	NLV		
Ambient Air Particulate Soil Inhalation (Res PSI)	2.00E+09	4.00E+08	2.30E+09	4.70E+08	6.70E+08	2.00E+08	1.30E+09	Various	2.0E+08	6.70E+08	Various	5.2E+06	1.70E+08	2.80E+08	-		
Direct Contact (Res DC)	2.50E+06	2.80E+06	2.5E+06 (C)	3.8E+06 (C)	8.10E+06	1.80E+07	2.50E+06	Various	1.8E+07	8.10E+06	Various	(T)	5.50E+05	2.50E+06	4.00E+06		
Non-Residential (µg/Kg)																	
Drinking Water Protection (Nonres DWP)	4,800	4,800	1,400	2,000	1.70E+06	1.00E+05	4,800	Various	1.00E+05	1.70E+06	Various	NLL	6,000	30,000	7.00E+05		
Soil Volatilization to Indoor Air Inhalation (Nonres SVII)	ID	ID	41,000	43,000	4.90E+05	4.70E+05	ID	Various	4.70E+05	4.90E+05	Various	1.8E+07	NLV	NLV	NLV		
Ambient Air Infinite Source Volatile Soil Inhalation (Nonres VSI)	ID	ID	2.10E+05	3.30E+05	1.80E+05	3.50E+05	ID	Various	3.50E+05	1.80E+05	Various	8.10E+05	NLV	NLV	NLV		
Ambient Air Finite VSI for 5 Meter Source Thickness	ID	ID	4.30E+05	8.40E+05	1.80E+06	3.50E+05	ID	Various	3.50E+05	1.80E+06	Various	2.8E+07	NLV	NLV	NLV		
Ambient Air Finite VSI for 2 Meter Source Thickness	ID	ID	1.00E+06	2.00E+06	1.80E+05	3.50E+05	ID	Various	3.50E+05	1.80E+05	Various	2.8E+07	NLV	NLV	NLV		
Ambient Air Particulate Soil Inhalation (Nonres PSI)	ID	ID	1.00E+06	2.10E+06	2.90E+06	8.80E+07	5.90E+05	Various	8.8E+07	2.90E+06	Various	6.5E+05	2.20E+06	2.40E+05	-		
Direct Contact (Nonres DC)	6.00E+05	8.00E+05	8.0E+06 (C)	1.2E+07 (C)	2.80E+07	8.20E+07	8.00E+05	Various	8.2E+07	2.80E+07	Various	(T)	2.10E+06	9.20E+05	9.0E+5 (DD)		
Screening Levels (µg/Kg)																	
Soil Saturation Concentration Screening Levels (Csat)	1.00E+07	1.00E+07	6.40E+05	1.40E+06	NA	NA	1.00E+07	Various	NA	NA	Various	NA	NA	NA	NA	NA	NA

☐ Applicable Criterion/RBSL Exceeded
BOLD Value Exceeds Applicable Criterion/RBSL
 bgs Below Ground Surface (feet)
 ND Non-detected at levels above laboratory method detection limit (MDL)
 NA Not Applicable
 NLL Not Listed
 NLV Not Likely to Leach
 NLV Not Likely to Volatilize
 ID Insufficient Data

(G) Metal GSIP Criteria for Surface Water Not Protected for Drinking Water Use based on 269 mg/L CaCO₃ Hardness: Station ID 500011, Red Run Drain, near Warren, MI.

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOCs, PNAs, AND METALS
32451 NORTH AVIS DRIVE, MADISON HEIGHTS, MICHIGAN
PM PROJECT #02-7403-1

VOLATILE ORGANIC COMPOUNDS (VOCs), POLYNUCLEAR AROMATIC COMPOUNDS (PNAs), AND METALS (µg/L)				VOCs	PNAs	Cadmium	Chromium	Lead
Chemical Abstract Service Number (CAS#)				Various	Various	7440439	16065831	7439921
Sample ID	Sample Date	Screen Depth (feet bgs)	Depth to Groundwater (feet bgs)	VOCs	PNAs	METALS		
TMW-2	06/17/2014	3.0-8.0	3.30	ND	ND	1.6	<5	<3
TMW-5	06/17/2014	2.5-7.5	2.86	ND	ND	<0.5	<5	<3
TMW-7	06/17/2014	1.3-6.3	2.30	ND	ND	<0.5	<5	<3
A-3				ND	ND	<0.5	<5	<3
TMW-9	06/17/2014	2.65-7.65	5.91	ND	ND	<0.5	<5	<3
Cleanup Criteria Requirements for Response Activity (R 299.1 - R 299.50)								
Generic Groundwater Cleanup Criteria Table 1: Residential and Non-Residential Part 201 Generic Cleanup Criteria and Screening Levels/Part 213 Risk-Based Screening Levels, December 30, 2013								
MDEQ Guidance Document For The Vapor Intrusion Pathway, Policy and Procedure Number: 09-017, Appendix D Vapor Intrusion Screening Values, May 2013								
Residential/Nonresidential (µg/L)								
Residential Drinking Water (Res DW)				Various	Various	5.0 (A)	100 (A)	4.0 (L)
Nonresidential Drinking Water (Nonres DW)				Various	Various	5.0 (A)	100 (A)	4.0 (L)
Groundwater Surface Water Interface (GSI)				Various	Various	4.6 (G,X)	11	30 (G,X)
Residential Groundwater Volatilization to Indoor Air Inhalation (Res GVII) ²				Various	Various	NLV	NLV	NLV
Nonresidential Groundwater Volatilization to Indoor Air Inhalation (Nonres GVII) ²				Various	Various	NLV	NLV	NLV
Screening Levels (µg/L)								
Residential Groundwater Vapor Intrusion Screening Levels (GW _{Vres}) ³				Various	Various	NL	NL	NL
Nonresidential Groundwater Vapor Intrusion Screening Levels (GW _{Vnr}) ³				Various	Various	NL	NL	NL
Water Solubility				Various	Various	NA	NA	NA
Flammability and Explosivity Screening Level				Various	Various	ID	ID	ID

Applicable Criteria/RBSL Exceeded

BOLD Value Exceeds Applicable Criteria

bgs Below Ground Surface (feet)

ND Not detected at levels above the laboratory Method Detection Limit (MDL) or Minimum Quantitative Level (MQL)

² Tier 1 GVII Criteria based on 3 meter (or greater) groundwater depth

³ (2013 Vapor Intrusion Guidance) Screening Levels based on depth to groundwater less than 1.5 meters and not in contact with building foundation

NA Not Applicable

NL Not Listed

NLL Not Likely to Leach

NLV Not Likely to Volatilize

ID Insufficient Data

Appendix A





Environmental & Engineering Services Nationwide



PHASE I ENVIRONMENTAL SITE ASSESSMENT

32451 North Avis Drive and
32450-32470 Milton Avenue | Madison Heights, Michigan
PM Project Number 02-7403-0

Prepared for:

SprayTek, Inc.
2535 Wolcott
Ferndale, Michigan 48220

Prepared by:

PM Environmental, Inc.
4080 West 11 Mile Road
Berkley, Michigan 48072

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Grand Rapids
560 5th Street, NW,
Suite 301
Grand Rapids, MI 49504
f: 877.884.6775
t: 616.285.8857

June 16, 2014

Mr. Marvin Hairston
SprayTek, Inc.
2535 Wolcott
Ferndale, Michigan 48220

**Re: Phase I Environmental Site Assessment of the Industrial Property
Located at 32451 North Avis Drive and 32450-32470 Milton Avenue
Madison Heights, Michigan
PM Environmental, Inc. Project No. 02-7403-0**

Dear Mr. Hairston:

PM Environmental, Incorporated (PM) has completed the Phase I Environmental Site Assessment (ESA) of the above referenced property. **THIS REPORT WAS PREPARED IN ACCORDANCE WITH THE REVISED COMERICA GUIDANCE DOCUMENT FOR PHASE I ESAs** (November 2006) and the Master Environmental Services Agreement dated June 30, 2003. Additionally, this Phase I ESA was conducted in accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries {(AAI), 40 CFR Part 312} and (2) guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process / Designation E 1527-13* (ASTM Standard Practice E 1527-13).

The Phase I ESA for the above referenced property represents the product of PM's professional expertise and judgment in the environmental consulting industry, and it is reasonable for SPRAYTEK, INC., SPRAYTEK, INC. MADISON HEIGHTS, AND COMERICA BANK to rely on PM's Phase I ESA report.

If you have any questions related to this report please do not hesitate to contact our office at (800) 313-2966.

Sincerely,
PM ENVIRONMENTAL, INC.

Chip Kosloski
Project Consultant

Michael T. Kulka, P.E.
Principal

EXECUTIVE SUMMARY

PM Environmental, Inc., (PM) has completed a Phase I Environmental Site Assessment (ESA) of the Industrial Property located at 32451 North Avis Drive and 32450-32470 Milton Avenue, Madison Heights, Oakland County, Michigan (hereafter referred to as the "subject property"). This Phase I ESA was completed in accordance with Comerica's Guidance Document for Phase I ESAs (November 2006) and the Master Service Agreement dated June 30, 2003. The Phase I ESA was also conducted in accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries {(AAI), 40 CFR Part 312} and (2) guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process / Designation E 1527-13* (ASTM Standard Practice E 1527-13).

THIS REPORT WAS PREPARED FOR THE EXCLUSIVE USE OF SPRAYTEK, INC., SPRAYTEK, INC. MADISON HEIGHTS, AND COMERICA BANK, EACH OF WHOM MAY RELY ON THE REPORT'S CONTENTS.

Item	Comments
Number of Parcels and Acreage	One parcel containing approximately 3.21 acres
Number of Building(s) and Square Footage	One building containing 66,691 square feet
Current Property Use	A majority of the current building is vacant, with the exception of the northwestern tenant space (32470 Milton Avenue), which is being used as warehouse space by a furniture packaging business.

Reasonably ascertainable records for the subject property extended back to approximately 1937. Data failure occurred prior to that date. However, PM did not identify any significant data gaps during the completion of this Phase I ESA.

Standard and other historical sources were able to that the eastern portion of the current building was constructed in approximately 1966/1967, with a small addition constructed in 1973. Prior to that, the property consisted of agricultural land dating back to at least 1937. The eastern portion of the building was occupied by various industrial and/or manufacturing tenants from at least 1969 until 1992, was occupied by a binding company and/or a bottle warehouse/distributor from at least 1996 until early 2014, and is currently vacant. An addition was constructed as warehouse space to the western portion of the building in 1996/1997. This portion of the building has been occupied by various warehouse tenants since construction.

The following table summarizes the conditions identified as part of this assessment. Affirmative answers are further discussed below the table:

Type of Condition	Identified During the Course of this Assessment
De Minimis Condition	No
Significant Data Gap	No
Historical Recognized Environmental Condition (HREC)	No
Controlled Recognized Environmental Condition (CREC)	No
Recognized Environmental Condition (REC)	Yes

Recognized Environmental Condition

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the Industrial Property located at 32451 North Avis Drive and 32450-32470 Milton Avenue, Madison Heights, Oakland County, Michigan, the property. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. This assessment has revealed no evidence of recognized environmental conditions connected with the property except the following:

- The eastern/original portion of the subject building was occupied by various industrial and/or manufacturing operations from at least 1969 until 1992, and likely back to construction in 1966/1967. Additionally, a site plan dated 1991 documents various operations in the eastern portion of the building, which include metal finishing, painting, printing and plating. Historical interior waste streams associated with the long-term former industrial and/or manufacturing operations would have consisted of general hazardous substances and/or petroleum products, likely including solvents and/or plating waste. A majority of this time period preceded major environmental regulations and current waste management and disposal procedures. Based upon shallow groundwater and PM's experience, the historical waste management practices associated with the former operations are unknown and may be a source of subsurface contamination.
- PM observed three floor drains and an apparent sealed floor drain in the eastern/original portion of the building. The installation date and integrity of the floor drains is unknown. Historical interior waste streams associated with the former industrial operations conducted in this portion of the building would have consisted of general hazardous substances and/or petroleum products. The potential exists for failure of the drainage system (i.e. cracks, leaks) to have occurred over time. The historical waste management practices associated with the floor drains are unknown and could be a source of subsurface contamination.
- PM observed a patched area of concrete (approximately five feet by ten feet) in the northwestern portion of the eastern/original portion of the subject building. PM was unable to document what the patched area was formerly associated with. Based upon the long-term former industrial use of this portion of the building, the patched area may have been associated with a press pit or some other type of subgrade pit. Historical interior waste streams associated with the former industrial operations conducted in this portion of the building would have consisted of general hazardous substances and/or petroleum products. Based upon the unknown former use of the patched area and the long-term former industrial operations with unknown historical waste management practices, the potential exists for subsurface contamination to be present in this area.

No adjoining and/or nearby RECs have been identified.

Recommendations

These RECs have been brought to the attention of the client within the requirements of the ASTM Standard Designation E-1527-13.

Verification of the presence or absence of contaminants potentially associated with these RECs may be determined through a Phase II investigation at the request of the client. Cost/risk analysis decisions associated with further investigation of these conditions are the decision of the client.

Additional site assessment activities may be warranted, and could be completed for approximately \$13,850 to 15,350.

The summary presented above is general in nature and should not be considered apart from the entire text of the report, which contains the qualifications, considerations and subject property details mentioned herein. Details of findings and conclusions are elaborated upon in this report.

This report has been reviewed for its completeness and accuracy. Please feel free to contact our office at (800) 313-2966 to discuss this report.

REPORT PREPARED BY:
PM Environmental, Inc.



Chip Kosloski
Project Consultant

REPORT REVIEWED BY:
PM Environmental, Inc.



Michael T. Kulka, P.E.
Principal

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FIGURES

Figure 1: Site Location Map

Figure 2: Generalized Diagram of the Subject Property and Surrounding Area

APPENDICES

Appendix A: Property Photographs from Site Reconnaissance

Appendix B: Correspondence and Supporting Documentation

Appendix C: Previous Site Investigations

Appendix D: Regulatory Database and File Review Correspondence

Appendix E: Professional Resumes

Appendix F: Acronyms and Terminology, Scope of Work, ASTM Reference Document, and User's Continuing Obligations under CERCLA

1.0 INTRODUCTION

This Phase I ESA was completed in accordance with Comerica's Guidance Document for Phase I ESAs (November 2006) and the Master Service Agreement dated June 30, 2003. The Phase I ESA was also conducted in accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries {(AAI), 40 CFR Part 312} and (2) guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process / Designation E 1527-13* (ASTM Standard Practice E 1527-13).

THIS REPORT WAS PREPARED FOR THE EXCLUSIVE USE OF SPRAYTEK, INC., SPRAYTEK, INC. MADISON HEIGHTS, AND COMERICA BANK, EACH OF WHOM MAY RELY ON THE REPORT'S CONTENTS.

PM acknowledges that these parties may rely on the contents and conclusions presented in this report. Unless stated otherwise in writing, PM makes no other warranty, representation, or extension of reliance upon the findings of this report to any other entity or third party.

1.1: Property Overview

Subject Property Location/Address	32451 North Avis Drive, Madison Heights, Oakland County, Michigan
Number of Parcels and Acreage	One parcel containing approximately 3.21 acres
Number of Building(s) and Square Footage	One building containing 66,691 square feet
Current Property Use	A majority of the current building is vacant, with the exception of the northwestern tenant space (32470 Milton Avenue), which is being used as warehouse space by a furniture packaging business.
Current Zoning	M-1: Light Industrial

The subject property location is depicted on Figure 1, Site Location Map. A diagram of the subject property and adjoining properties is included as Figure 2, Generalized Diagram of the Subject Property and Surrounding Area. Photographs taken during the site reconnaissance are included in Appendix A.

1.2: Purpose and Scope of Services

The purpose of this Phase I ESA was to evaluate the current and historical conditions of the subject property in an effort to identify *recognized environmental conditions* (RECs), *controlled recognized environmental conditions* (CRECs), and *historical recognized environmental conditions* (HRECs) in connection with the subject property. This Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs, CRECs, and HRECs in connection with the subject property.

Acronyms and terms used in this report are described in Appendix F. Additionally, PM's scope of services is included in Appendix F.

1.3: Significant Assumptions

Pursuant to ASTM Standard Practice E 1527-13, PM assumes that the information provided by all sources and parties, including the User, is accurate and complete, except where obvious inconsistencies or inaccuracies were identified.

1.4: Limitations, Deviations, and Special Terms and Conditions

There are no deviations from the ASTM Standard. Non-ASTM Scope considerations are included in Section 11.0. Any physical limitations identified during the completion of this report are referenced in Section 7.0.

Due to changing environmental regulatory conditions and potential on-site or adjacent activities occurring after this assessment, the client may not presume the continuing applicability to the subject property of the conclusions in this assessment for more than 180 days after the report's issuance date, per ASTM Standard Practice E 1527-13.

To the best of PM's knowledge, no special terms or conditions apply to the preparation of this Phase I ESA that would deviate the scope of work from the ASTM Standard Practice E 1527-13.

PM was not provided with a copy of the recorded land title records for subject property by the client and was not requested to complete a title search. Therefore, PM cannot comment on any potential relevant information that may have been obtained through review of these records.

2.0 USER PROVIDED INFORMATION

The ASTM Standard defines a User as "the party seeking to use Practice E 1527 to complete an environmental site assessment. A User may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager." The User has specific obligations for completing a successful application of this practice as outlined in Section 6 of the ASTM Standard Practice E 1527-13.

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfield's Revitalization Act of 2001 (the "Brownfield's Amendments") (if desired), the User must provide certain information (if available) identified in the User Questionnaire to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

The following responses were provided by the User. A copy of the completed User Questionnaire is included in Appendix B.

Question	Response
Name of Preparer and User Entity	Mr. Marvin Hairston; SprayTek, Inc.
Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?	No

Question	Response
Are you aware of any Activity and Use Limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?	No
As the user of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	No
Does the purchase price being paid for this property reasonably reflect the fair market value of the property?	Yes
If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?	Not applicable
Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user:	
Do you know the past uses of the property?	No
Do you know of specific chemicals that are present or once were present at the property?	No
Do you know of spills or other chemical releases that have taken place at the property?	No
Do you know of any environmental cleanups that have taken place at the property?	No
As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?	No

2.1: Recorded Land Title Records

PM requested reasonably ascertainable recorded land title records for the subject property from the User. However, PM did not receive any title records from the User within the time constraints of this report. Additionally, PM was not requested to complete a title search by the User. PM did review available environmental lien and activity and use limitations for the subject property, which are further discussed in Section 4.10. Based upon the information reviewed as part of this Phase I ESA, PM has not identified the lack of provided land title records as a data failure that represents a significant data gap.

2.2: Reason for Performing this Phase I ESA

According to the User, this Phase I ESA was conducted as part of environmental due diligence related to purchasing the subject property.

3.0 PHYSICAL SETTING

PHYSICAL SETTING INFORMATION FOR THE SUBJECT PROPERTY AND SURROUNDING AREA		SOURCE
Topography: Refer to Figure 1 for an excerpt of the Topographic Map		
Site Elevation	631 feet above mean sea level (msl)	United States Geological Survey Division (U.S.G.S.) 7.5-Minute Topographic Map of the Warren, Michigan Quadrangle, 1968 (photo revised in 1973 and 1980)
Topographic Gradient	Relatively flat with no discernible slope	
Closest Surface Water	Red Run River, located over 3,000 feet southwest of the subject property	
General Soil Characteristics: Refer to Appendix B for a copy of the soil survey map and soil type descriptions		
Soil Type	Udorthents and Udipsamments, nearly level to hilly	United States Department of Agriculture, Custom Soil Resource Report for Oakland County, Michigan (survey area data from December 19, 2013)
Description	A typical soil profile for Udorthents soils consists of slightly alkaline, silt loam to eight inches below ground surface (bgs), underlain by moderately alkaline, clay loam to 80 inches bgs. A typical soil profile for Udipsamments soils consists of slightly alkaline, fine sandy loam to four inches bgs, slightly alkaline, loamy fine sand to 30 inches bgs, underlain by moderately alkaline, gravelly loamy fine sand to 80 inches bgs. Available water capacity is very low to very high. Corrosivity for Udorthents soils is moderate for steel, but low for concrete. Corrosivity for Udipsamments soils is low for steel, but moderate for concrete.	
Area Specific Geology/Hydrogeology Characteristics:		
Geology	Identified generally as brown clay and gray clay with varying amounts of medium brown sand to a depth of 25.0 feet bgs, the maximum depth explored.	Previous site investigations for west adjoining properties
Hydrogeology	Limited, shallow groundwater was encountered between 3.0 and 4.0 feet bgs; however, no groundwater flow direction was documented.	
Oil and Gas Wells:		
Current Oil and Gas Wells on Subject Property	None identified	MDEQ Geologic Survey Division (GSD) web site
Historical Oil and Gas Wells On Subject property	None identified	

4.0 RECORDS REVIEW

PM reviewed reasonably ascertainable records to identify obvious uses of the subject property from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. Reasonably ascertainable records reviewed as part of this Phase I ESA documented the use of the property back to 1937. Data failure occurred prior to that date. In PM's professional opinion, this data failure does not represent a significant data gap.

4.1: Aerial Photographs and Sanborn Maps

PM reviewed reasonably ascertainable aerial photographs for the subject property area. The sources and years reviewed are identified in the table below. Relevant aerial photographs are included in Appendix B.

PM attempted to review reasonably ascertainable Sanborn Fire Insurance Maps for the subject property. However, no Sanborn Fire Insurance Maps were available for the subject property (Appendix B).

The following table summarizes the sources reviewed and the information obtained about the subject property from these sources. Information obtained about the adjoining properties from these sources is summarized in Section 8.0.

Aerial Summary for the Subject Property

Year and Source	Summary of Information
1937 Aerial (MSU)	Appears to be utilized as an agricultural field, based on the presence of well-defined field perimeters.
1940 Aerial (Oakland County)	Similar to the previous aerial year.
1949 Aerial (WSU)	Similar to the previous aerial year.
1952 Aerial (WSU)	Similar to the previous aerial year.
1957 Aerial (WSU)	Similar to the previous aerial year.
1963 Aerial (Oakland County)	Similar to the previous aerial year.
1972 Aerial (MSU)	The eastern portion of the current building has been constructed in the eastern portion of the property. Due to scale and resolution, definitive details in the remainder of the property could not be determined.
1974 Aerial (Oakland County)	A small addition has been constructed to the building. Parking areas and driveways are now visible around the building. The remainder of the property appears to consist of vacant land.
1980 Aerial (Oakland County)	Similar to the previous aerial year.

Year and Source	Summary of Information
1990 Aerial (Oakland County)	Similar to the previous aerial year.
1994 Aerial (MSU)	Appears generally similar to the previous aerial year. However, due to scale and resolution, definitive details could not be determined.
1997 Aerial (Oakland County)	An addition has been constructed to the western portion of the building, resulting in the current building layout.
2000 Aerial (Oakland County)	Parking areas and driveways have been expanded around the western addition. The layout of the property appears similar to the current layout.
2002 Aerial (Oakland County)	Similar to the previous aerial year.
2005 Aerial (Oakland County)	Similar to the previous aerial year.
2008 Aerial (Oakland County)	Similar to the previous aerial year.
2010 Aerial (Oakland County)	Similar to the previous aerial year.
2012 Aerial (Oakland County)	Similar to the previous aerial year.

A summary of this information along with other historical sources is included in Section 6.0.

4.2: Local Street Directories

Reasonably ascertainable local street directories for Madison Heights, Michigan were researched. Directories were available from 1954 to 2014. However, directories for North Avis Drive were only available from 1966 to 2014. Directories were researched in at least five-year increments, when available. It should not be construed that the earliest date represented is the initial date of occupancy.

PM also reviewed listings for adjoining commercial properties. Information from the listings reviewed is included in Section 8.0.

Subject Property: 32451 North Avis Drive

2014	Allied Bindery Power Bottle
2012-2003	Allied Bindery Company Power Bottle
2001-1997	Allied Bindery Company
1995-1994	Not Listed
1992-1991	Bristol Locknut Company

1989-1988	Bristol Machine Company
1986-1985	Bristol Locknut Company
	Century Manufacturing and Machine
	QC Automatic Spclt
1983-1978	Bristol Locknut Co
	Bristol Machine Div
1976-1975	Cold Forming Spec
	Magnolia Screw
	Truck-lite Company
1973-1969	Detronic Industries
1969-1966	Not Listed

Subject Property: 32450 Milton Avenue

2014-1957 Not Listed

Subject Property: 32470 Milton Avenue

2014-1957 Not Listed

A summary of this information along with other historical sources is included in Section 6.0.

4.3: Assessing Department

Reasonably ascertainable assessment information provided by the City of Madison Heights Assessing Department was obtained and reviewed. Assessing records document that the subject property consists of one parcel containing approximately 3.21 acres and developed with a 66,691 square foot industrial building constructed in 1967. Assessing records document that an addition was constructed to the building in 1997. Historical field cards and documentation were included within the records reviewed, which did not document any additional relevant information. Copies of available assessment records for the subject property and the current legal description are included in Appendix B.

4.4: Building Department

Reasonably ascertainable assessment information provided by the City of Madison Heights Building Department was obtained and reviewed. Building department records documented that additions were constructed to the subject building in 1973 and 1996. Building records also document various industrial tenants that occupied the building in 1973, and between 1991 and 1996, which is generally consistent with city directories. A site plan dated 1991 documents various operations in the eastern portion of the building, which include metal finishing, painting, printing and plating. PM has identified the historical use of the subject building as a REC, which is discussed in Section 6.0. Lastly, building records document that the subject building was connected to municipal water and sewer during construction in 1966.

4.5: Fire Department

PM submitted a Freedom of Information Act (FOIA) request to the City of Madison Heights Fire Department to review Fire Department records for the subject property. PM received a written response indicating no files were available for the subject property.

4.6: Health Department

PM submitted a Freedom of Information Act (FOIA) request to the Oakland County Health Department. PM received a written response, which included a copy of a groundwater ordinance for the City of Madison Heights. However, the ordinance contained general information and did not contain any specific information regarding the subject property. No additional Health Department files were available. A copy of the Health Department response and groundwater ordinance are included in Appendix B.

4.7: Utilities

4.7.1: Municipal Water/Water Wells

The subject property is currently connected to municipal water. Review of Building Department records documents that the current building was connected to municipal water during initial construction in 1966. No records of private water wells have been identified through review of reasonably ascertainable information.

4.7.2: Sanitary Sewer/Septic System

The subject property is currently connected to municipal sewer. Review of Building Department records documents that the current building was connected to municipal sewer during initial construction in 1966. No records of private septic systems have been identified through review of reasonably ascertainable information.

4.7.3: Heat Source

The subject property is connected to natural gas, which is supplied by Consumers Energy. Review of the Consumers Energy SIMS website indicates the subject property was initially connected to natural gas in 1997, which is consistent with the western portion of the building constructed in 1997. Natural gas connection records document a former connection to the subject building; however, the former connection date was not provided. Natural gas main distribution maps documents that natural gas has been available along North Avis Drive since 1965. Based upon this information, PM believes the subject building was likely connected to natural gas during initial construction in 1966/1967. No alternative heat sources have been identified through review of reasonably ascertainable information.

4.8: Underground Storage Tank (UST) Systems

Review of reasonably ascertainable standard and other historical sources, and site observations, have not identified the current and historical presence of USTs on the subject property. Specifically, no records of USTs were identified though review of reasonably ascertainable records and PM did not observe any evidence of USTs (i.e. fill ports, vent pipes, etc.) during the site reconnaissance.

4.9: Previous Environmental Reports

No previous site investigations were identified by PM for the subject property. Previous reports may exist for the subject property, however, none were provided to PM by the client or owner of the property, and none were available with the appropriate state regulatory agencies.

4.10: Environmental Liens, Activity and Use Limitations, and Government Institutional and Engineering Controls

PM has not identified any record of environmental liens, activity and use limitations, or institutional controls or engineering controls associated with the subject property through review of reasonable ascertainable records.

5.0 INTERVIEWS

The objective of completing interviews with knowledgeable site contacts is to obtain information about the uses and physical characteristics of the property. In general, interviewees supported the information reviewed from other historical sources (i.e. aerial photos, city records, etc.).

Represents	Interviewed	Name and Title	Length of Time Associated with Subject Property	Comments
Current Property Owner	No	Mr. Drank Cancro	Unknown	PM was unable to interview the current owner during the course of this Phase I ESA. Based on information obtained from standard historical sources, PM has not identified this lack of an interview as a significant data gap.
Former Property Owner	No	Not applicable	Not applicable	Contact information for the former owner was not reasonably ascertainable or provided by the User
Key Site Manager	No	Not applicable	Not applicable	A key site manager was not made available during this Phase I ESA. Based on information obtained from standard historical sources, PM has not identified this lack of an interview as a significant data gap.

Represents	Interviewed	Name and Title	Length of Time Associated with Subject Property	Comments
Current Occupant(s)	No	Not applicable	Not applicable	PM did not interview the current occupant due to the current business being in operation during the site reconnaissance. Based on the current operations being limited to warehousing, PM has not identified this lack of an interview as a significant data gap.
Former Occupant(s)	No	Not applicable	Not applicable	Contact information for the former occupants was not reasonably ascertainable or provided by the User
Other(s)	No	Not applicable	Not applicable	No other relevant interviews were conducted as part of this Phase I ESA.

6.0 SUMMARY OF HISTORICAL USE

Standard and other historical sources were able to that the eastern portion of the current building was constructed in approximately 1966/1967, with a small addition constructed in 1973. Prior to that, the property consisted of agricultural land dating back to at least 1937. The eastern portion of the building was occupied by various industrial and/or manufacturing tenants from at least 1969 until 1992, was occupied by a binding company and/or a bottle warehouse/distributor from at least 1996 until early 2014, and is currently vacant. An addition was constructed as warehouse space to the western portion of the building in 1996/1997. This portion of the building has been occupied by various warehouse tenants since construction.

Historical interior waste streams associated with the long-term former industrial and/or manufacturing operations would have consisted of general hazardous substances and/or petroleum products, likely including solvents and/or plating waste. Additionally, a site plan dated 1991 documents various operations in the eastern portion of the building, which include metal finishing, painting, printing and plating. A majority of this time period preceded major environmental regulations and current waste management and disposal procedures. **The historical waste management practices associated with the former operations are unknown and may be a source of subsurface contamination, which represents a REC.**

7.0 SUBJECT PROPERTY RECONNAISSANCE

Reconnaissance Information	
PM Field Personnel:	Mr. Ryan Feeny
Site Reconnaissance Date:	May 21, 2014
Weather Conditions:	75 degrees F and sunny
Escort:	None
Limitations:	Interior observations limited by warehousing/storage in the northwestern portion of the building

7.1: Subject Property Observations

The subject building contains a total 66,691 square feet of floor space, which is divided into three tenant spaces. The eastern tenant space is identified as 32451 North Avis Drive, the northwestern tenant space is identified as 32470 Milton Avenue, and the southwestern tenant space is identified as 32450 Milton Avenue. Additionally, a truck well divides the northwestern and southwestern tenant spaces. In general, the tenant spaces are divided into warehouse and former production areas, office areas, and restrooms.

Interior finish materials in the office areas include carpeted floors, vinyl floor tiles, drywall walls, two foot by two foot and two foot by four foot suspended acoustical ceiling tiles. The remainder of the building is primarily unfinished with poured concrete floors, concrete block walls, and metal deck ceilings. The entire building is on a poured concrete foundation and does not contain a basement.

Paved parking areas are located north, south, and west of the building. The remainder of the property consists of groomed grass and landscaped areas.

The following table summarizes the site observations. Affirmative responses are discussed in more detail following the table.

Category	Feature	Observed
Interior Equipment	Elevators	No
	Air Compressors	No
	Incinerators	No
	Waste Treatment Systems	No
	Presses/Stamping Equipment	No
	Press Pit or Patched Areas of Concrete	Yes
	Hydraulic Lifts or In-ground hoists	No
	Paint Booth	No
	Plating Tanks	No
	Lathes, Screw Machines, etc.	No
Aboveground Chemical or Other Waste Storage or Waste Streams	Aboveground Storage Tanks (ASTs)	No
	Drums, Barrels and/or Containers > 5 gallons	No
	Chip Hoppers	No
	Hazardous or Petroleum Waste Streams	No
Underground Chemical or Waste Storage, Drainage or Collection Systems	Underground Storage Tanks	No
	Fuel Dispensers	No
	Sumps or Cisterns	No
	Dry Wells	No
	Oil/Water Separators	No
	Floor Drains, Trench Drains, etc.	Yes
Exterior Observations	Pipeline Markers	No
	Stressed Vegetation	No
	Stained Soil or Pavement	No
	Monitoring Wells	No
	Pad or Pole Mounted Transformers and/or Capacitors	No
	Soil Piles of Unknown Origin	No
	Exterior Dumpsters with Staining	No
	Leachate or Other Waste Seeps	No

Category	Feature	Observed
	Trash, Debris, and/or Other Waste Materials	No
	Uncontrolled Dumping or Disposal Areas	No
	Surface Water Discoloration, Sheen or Free Product	No
	Strong, Pungent or Noxious Odors	No
	Storm water retention or detention ponds	No
	Pits, Ponds, Lagoons	No

Press Pits or Patched Areas of Concrete: PM observed a patched area of concrete in the northwestern portion of the eastern/original portion of the subject building. PM was unable to document what the patched area was formerly associated with. Based upon the long-term former industrial use of this portion of the building, the patched area may have been associated with a press pit or some other type of subgrade pit. Historical interior waste streams associated with the former industrial operations conducted in this portion of the building from approximately 1966 until 1992 would have consisted of general hazardous substances and/or petroleum products. **Based upon the unknown former use of the patched area and the long-term former industrial operations with unknown historical waste management practices, the potential exists for subsurface contamination to be present in this area, which represents a REC.**

Floor Drains, Trench Drains, etc.: PM observed three floor drains and an apparent sealed floor drain in the eastern/original portion of the building. No significant staining was observed in the vicinity of the active or sealed floor drains, which likely discharge to the municipal sewer system. The installation date and integrity of the floor drains is unknown. Historical interior waste streams associated with the former industrial operations conducted in this portion of the building from approximately 1966 until 1992 would have consisted of general hazardous substances and/or petroleum products. The potential exists for failure of the drainage system (i.e. cracks, leaks) to have occurred over time. **The historical waste management practices associated with the floor drains are unknown and could be a source of subsurface contamination, which represents a REC.**

7.1.1: Current Operations

A majority of the current building is vacant, with the exception of the northwestern tenant space (32470 Milton Avenue), which is being used as warehouse space by a furniture packaging business.

8.0 ADJOINING PROPERTIES

The following paragraphs provide information about the adjoining properties obtained during the site reconnaissance and through review of reasonably ascertainable information.

North Adjoining Property

The north adjoining property, identified as 1100 East Mandoline Avenue, is currently occupied by MSX International, a retail consulting and technology business. Review of historical sources documents that the northern portion of the current building was constructed between 1963 and 1967, with an addition to the southern portion in 1990. Prior to 1963, the property consisted of agricultural land. The property was identified as Carmet Company from at least 1967 until 1983, Aero Detroit Inc., an engineering and technical assistance business, from at least 1985 until 2003. The property was not listed in 2008 and was first occupied by the current tenant sometime

between 2008 and 2014. This site is identified in the regulatory database. Refer to Section 9.2 for additional information.

East Adjoining Properties, across North Avis Drive

The northeast adjoining property, identified as 32500 North Avis Drive, is currently occupied by H.R. Technologies, Inc., whose operations consist of die cutting and laminating trim and other materials for automotive interior products. Review of historical sources documents that the current building was constructed between 1963 and 1969 on previously agricultural land. The property was occupied by Falcon Industries from at least 1969 until 1976, a Coca-Cola bottling warehouse from at least 1978 until 2007, and has been occupied by the current tenant since at least 2010. This site is identified in the regulatory database. Refer to Section 9.2 for additional information.

The east adjoining property, identified as 32450 North Avis Drive, is currently occupied by Kwang Jin Company, a wholesale distributor of automotive products. Review of historical sources documents that the current building was constructed between 1974 and 1980 on previously agricultural land. The building was occupied by various commercial tenants (i.e. a robotics business, a management business, or a design business) from at least 1982 until 1999. The building was not listed in at least 2001 and has been occupied by the current tenant since at least 2003. This site is identified in the regulatory database. Refer to Section 9.2 for additional information.

The southeast adjoining property, identified as 32200 North Avis Drive, is currently occupied by Moosejaw, a clothing and outdoor products retailer/distributor. Review of historical sources documents that the current building was constructed between 1963 and 1974 on previously agricultural land. The building was occupied by various commercial or light industrial tenants from at least 1975 until 2006, and was not listed from at least 2010 until 2013. The current tenant first occupied the building sometime between 2013 and 2014. Based on the lack of regulatory database listings or documented releases associated with this site, and regional clay geology with limited groundwater to act as a transport mechanism, PM has not identified this property as a REC.

South Adjoining Property

The south adjoining property, identified as 32251 North Avis Drive, is currently occupied by Inductoheat, whose operations consist of designing, building, and repairing induction heating and heat treating equipment. Review of historical sources documents that the current building was constructed between 1963 and 1969 on previously agricultural land. The building has been occupied by the current tenant and affiliated companies since at least 1969, and likely since construction. This site is identified in the regulatory database. Refer to Section 9.2 for additional information.

West Adjoining Properties, across Milton Avenue

The northwest adjoining property, identified as 32369 Milton Avenue, is currently occupied by an unmarked light industrial building. Review of historical sources documents that the current building was constructed between 1974 and 1978 on previously agricultural or vacant land. The property was occupied by VW Precision Products from 1978 until 1997, Nichols Precision Tool,

Inc. from at least 1999 until 2012, and has been vacated since then. Based on the lack of regulatory database listings or documented releases associated with this site, and regional clay geology with limited groundwater to act as a transport mechanism, PM has not identified this property as a REC.

The west adjoining property, identified as 32349 Milton Avenue, is currently occupied by a vacant light industrial building. Review of historical sources documents that the current building was constructed in approximately 1978 on previously agricultural or vacant land. Review of historical sources documents that the property was occupied by Superior Ball Company and affiliated companies from 1978 until 1983, Chicago Tool Supply and affiliated companies from 1978 until 1997, Universal Industries from 1999 until 2012, and has been vacant since approximately early 2012. This site is identified in the regulatory database. Refer to Section 9.2 for additional information.

The southwest adjoining property, identified as 32329 Milton Avenue, is currently occupied by a vacant light industrial building. Review of historical sources documents that the current building was constructed between 1974 and 1978 on previously agricultural or vacant land. The property was occupied by various light industrial and/or manufacturing operations from 1978 until 2012, and has been vacated since that time. PM reviewed a previous investigation completed at the southwest adjoining property, available within PM's archive, which documented a Phase I ESA and Phase II ESA were completed at the property in July 2006 and August 2006. The Phase I ESA identified former tooling operations since 1980 and significant staining associated with a catch basin located in the western portion of the property as RECs and recommended further investigation. The Phase II was completed in August 2006 to assess the RECs identified in the Phase I ESA. A total of eight soil borings were advanced and analyzed for volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PNAs), polychlorinated biphenyls (PCBs), and Michigan 10 Metals. Geology generally consisted of brown clay and gray clay with varying amounts of medium brown sand to a depth of 25.0 feet bgs, the maximum depth explored. No groundwater was encountered. Concentrations of various metals were detected above laboratory method detection limits (MDLs), but below all Michigan Default Background Levels and MDEQ Part 201 Generic Cleanup Criteria (GCC). Based on the analytical results, regional clay geology, and lack of groundwater to act as a transport mechanism, PM has not identified this property as a REC.

9.0 REGULATORY RECORDS REVIEW

PM retained EDR to provide current regulatory database information compiled by a variety of federal and state regulatory agencies. A copy of the complete database is included in Appendix D. The following information was obtained:

Type	Regulatory Agency Database	Approximate Minimum Search Distance (AMSD)	Number of Sites within AMSD
Federal	National Priority List (NPL) Sites	1 mile	0
Federal	Delisted National Priority List (DNPL) Sites	½ mile	0
Federal	Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) Sites	½ mile	0
Federal	CERCLIS No Further Remediation Action Planned (NFRAP) Sites	½ mile	1

Type	Regulatory Agency Database	Approximate Minimum Search Distance (AMSD)	Number of Sites within AMSD
Federal	Resource Conservation and Recovery Act (RCRA) Corrective Action Report (CORRACTS) Sites	1 mile	1
Federal	RCRA non-CORRACTS Treatment, Storage or Disposal (TSD) Sites	½ mile	0
Federal	RCRA Large Quantity Generators (LQG) Sites	subject property and adjoining properties	0
Federal	RCRA Small Quantity Generators (SQG) Sites	subject property and adjoining properties	1
Federal	RCRA Conditionally Exempt Small Quantity Generators (CESQG) Sites	subject property and adjoining properties	4
Federal	RCRA Non-Generators (NON-GEN) Sites	subject property and adjoining properties	1
Federal	Institutional Control / Engineering Control Registries	subject property	0
Federal	Environmental Response and Notification System (ERNS)	subject property	0
State & Tribal	Hazardous Waste Sites (HWS) (equivalents to NPL and CERCLIS)	1 mile	2
State & Tribal	Solid Waste Facilities/Landfill Sites (SWLF)	½ mile	0
State & Tribal	Leaking Underground Storage Tank (LUST) Sites	½ mile	6
State & Tribal	Registered Underground Storage Tank (UST) Sites	subject property and adjoining properties	1
State & Tribal	Institutional Control / Engineering Control Registries	subject property	0
State & Tribal	Brownfield Sites	½ mile	0
State & Tribal	Baseline Environmental Assessment (BEA) Sites	½ mile	15
Either	Unmappable Database Listings (a.k.a. Orphan Sites)	database-dependent	6

9.1: Subject Property and Occupant Listings

The regulatory database report identified the following listings for the subject property or its known occupants on the referenced databases:

Stephens Tech Group – The subject property is identified as a RCRA non-generator site with no violations reported, a Facility Index Systems (FINDS) site, and a Waste Data Systems (WDS) site. Further review of the database documents that the subject property was formerly an SQG site in 1991, and obtained a non-generator status in 1998. PM attempted to review available MDEQ file information regarding these listings for the subject property; however, no files were available for review. PM has identified long-term former industrial operations at the subject property as a REC. Refer to Section 6.0 for additional information.

9.2: Adjoining and Nearby Sites

PM's review of the referenced databases also considered the potential or likelihood of contamination from adjoining and nearby sites. To evaluate which of the adjoining and nearby sites identified in the regulatory database report present an environmental risk to the subject property, PM considered the following criteria:

- The type of database on which the site is identified.
- The topographic position of the identified site relative to the subject property.
- The direction and distance of the identified site from the subject property.
- Local soil conditions in the subject property area.
- The known or inferred groundwater flow direction in the subject property area.
- The status of the respective regulatory agency-required investigation(s) of the identified site, if any.
- Surface and subsurface obstructions and diversions (e.g., buildings, roads, sewer systems, utility service lines, rivers, lakes, and ditches) located between the identified site and the subject property.

Only those sites that are judged to present a potential environmental risk to the subject property and/or warrant additional clarification are further evaluated. Using the referenced criteria, and based upon a review of readily available information contained within the regulatory database report, PM did not identify adjoining (i.e., bordering) or nearby sites (e.g., properties within a ¼-mile radius) listed in the regulatory database report that were judged to present a potential environmental risk to the subject property, with the exception of the following:

Lear Corporation/Design Fabrication Inc. – This site is identified as 1100 East Mandoline Avenue and is the north adjoining property. Review of the regulatory database identifies this site as a RCRA CESQG site and a RCRA SQG site. A minor violation was reported and corrected in 2010. PM attempted to review available MDEQ file information for this site; however, PM received a response indicating no files were available for review. Based on the lack of documented releases or major violations associated with the property, and regional clay geology with limited groundwater to act as a transport mechanism, PM has not identified this property as a REC.

Coca-Cola Enterprises-Madison – This site is identified as 32500 North Avis Drive and is the northeast adjoining property. Review of the regulatory database identifies this site as a closed LUST site and a former UST site. Two 12,000-gallon diesel USTs and a 3,000-gallon gasoline UST were installed in 1979 and removed in 1991. Two separate releases were reported in 1990 (due to a failed tank tightness test) and 1991 (during UST removal activities), both of which were granted regulatory closure in May 1995. PM reviewed available MDEQ file information, which included several closure reports/documents dated between 1991 and 1995, and a BEA completed for the property in 2007. Review of MDEQ files documents that contamination at this property is limited to the area of the former USTs (located approximately 400 feet east/northeast of the subject property) and has been delineated in the direction of the subject property. Based upon this information, PM has not identified this property as a REC.

Tennant Sales and Service Company – This site is identified as 32450 North Avis Drive and is the east adjoining property. Review of the regulatory database identifies this site as a RCRA CESQG site with no violations reported. PM attempted to review available MDEQ file information for this site; however, PM received a response indicating no files were available for review. Based

on the lack of documented releases or violations associated with the property, and regional clay geology with limited groundwater to act as a transport mechanism, PM has not identified this property as a REC.

Inductoheat – This site is identified as 32251 North Avis Drive and is the south adjoining property. Review of the regulatory database identifies this site as a RCRA CESQG site with violations reported in 1996 and corrected in 1997. PM reviewed available MDEQ file information for this site, which included an inspection report from July 1996. Hazardous wastes at the site were identified as waste antifreeze, paint waste, paint filters, and waste oil. Violations were identified related to improper characterization of waste antifreeze, improper recordkeeping, inadequate labeling and inspection of hazardous waste drums, lack of posted emergency coordinator information. Follow-up inspections were conducted and compliance was achieved by August 1997. No additional violations have been reported since that time. Based upon the nature of the reported violations, compliance achieved, and regional clay geology with limited groundwater to act as a transport mechanism, PM has not identified this property as a REC.

P & S Property Holdings, LLC – This site is identified as 32349 Milton Avenue and is the west adjoining property. Review of the regulatory database identifies this site as a BEA site. PM reviewed available MDEQ file information for this site, which included two BEAs conducted in 2010 and 2012. Review of the 2010 BEA documents that limited semi volatile organic compound (VOC) and metal contamination were identified in groundwater above MDEQ Part 201 Generic Cleanup Criteria (GCC). Limited groundwater was encountered between 3.0 and 4.0 feet bgs. However, no groundwater contamination was identified above laboratory method detection limits (MDLs) during the 2012 BEA. Based upon the recent analytical results, and regional clay geology with limited groundwater to act as a transport mechanism, PM has not identified this property as a REC.

10.0 FINDINGS, OPINIONS AND CONCLUSIONS

10.1: De Minimis Condition

A de minimis condition, as defined in the ASTM Standard, is a condition that generally does not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not RECs or CRECs. No de minimis conditions were identified during this assessment.

10.2: Significant Data Gaps

A data gap, as defined in the ASTM Standard, is a lack of or inability to obtain information required by the ASTM Standard despite good faith efforts by the environmental professional to gather such information. The environmental professional must then determine whether these gaps are significant. PM did not identify or encounter any instances of significant data gaps during the course of this ESA.

10.3: Historical Recognized Environmental Conditions (HRECs)

An HREC, as defined in the ASTM Standard, is a past release of hazardous substances or petroleum products that has occurred in connection with the subject property and has been

addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the subject property to any required controls. PM has not identified any HRECs in association with the subject property.

10.4: Controlled Recognized Environmental Conditions (CRECs)

A CREC, as defined in the ASTM Standard, is a recognized environmental condition (REC) resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. PM has not identified any CRECs in association with the subject property.

10.5: Recognized Environmental Conditions (RECs)

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the Industrial Property located at 32451 North Avis Drive and 32450-32470 Milton Avenue, Madison Heights, Oakland County, Michigan, the property. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. This assessment has revealed no evidence of recognized environmental conditions connected with the property except the following:

- The eastern/original portion of the subject building was occupied by various industrial and/or manufacturing operations from at least 1969 until 1992, and likely back to construction in 1966/1967. Additionally, a site plan dated 1991 documents various operations in the eastern portion of the building, which include metal finishing, painting, printing and plating. Historical interior waste streams associated with the long-term former industrial and/or manufacturing operations would have consisted of general hazardous substances and/or petroleum products, likely including solvents and/or plating waste. A majority of this time period preceded major environmental regulations and current waste management and disposal procedures. Based upon shallow groundwater and PM's experience, the historical waste management practices associated with the former operations are unknown and may be a source of subsurface contamination.
- PM observed three floor drains and an apparent sealed floor drain in the eastern/original portion of the building. The installation date and integrity of the floor drains is unknown. Historical interior waste streams associated with the former industrial operations conducted in this portion of the building would have consisted of general hazardous substances and/or petroleum products. The potential exists for failure of the drainage system (i.e. cracks, leaks) to have occurred over time. The historical waste management practices associated with the floor drains are unknown and could be a source of subsurface contamination.
- PM observed a patched area of concrete (approximately five feet by ten feet) in the northwestern portion of the eastern/original portion of the subject building. PM was unable to document what the patched area was formerly associated with. Based upon the long-term former industrial use of this portion of the building, the patched area may have been associated with a press pit or some other type of subgrade pit. Historical interior waste streams associated with the former industrial operations conducted in this portion of the building would have consisted of general hazardous substances and/or petroleum products.

Based upon the unknown former use of the patched area and the long-term former industrial operations with unknown historical waste management practices, the potential exists for subsurface contamination to be present in this area.

No adjoining and/or nearby RECs have been identified.

10.6: Recommendations

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the Industrial Property located at 32451 North Avis Drive and 32450-32470 Milton Avenue, Madison Heights, Oakland County, Michigan, the property. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. This assessment has revealed no evidence of recognized environmental conditions connected with the property except as listed in Section 10.5 of this report.

Verification of the presence or absence of contaminants potentially associated with these RECs may be determined through a Phase II investigation at the request of the client. Cost/risk analysis decisions associated with further investigation of these conditions are the decision of the client.

The additional investigation, which we believe to be necessary to investigate the on-site RECs, would consist of the advancement of up to ten soil borings and the collection of soil and groundwater samples for laboratory analysis at an estimated cost of \$13,850 to 15,350.

11.0 NON-ASTM SCOPE CONSIDERATIONS/BUSINESS ENVIRONMENTAL RISKS

PM has included a discussion of Non-ASTM Scope Considerations based upon industry standards and lender requirements. A Business Environmental Risk is defined as a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice.

Non-ASTM Item	Observations or Information
Potential Asbestos Containing Building Materials (ACBM)	Based upon PM's limited visual observations during the site reconnaissance, suspect ACBMs identified included vinyl floor tiles, drywall walls, and suspended acoustical ceiling tiles. The materials appeared to be in good condition. Per Comerica Bank's requirements, PM collected triplicate bulk samples of the two foot by two foot and two foot by four foot suspended acoustical ceiling tiles, which were located in the office areas. All suspect non-friable ACBM were observed to be in good condition; therefore, no samples were collected from these materials. The samples were submitted to EMC Laboratories, Inc. (EMC) of Phoenix, Arizona who participates in the National Voluntary Laboratory Accreditation Program. The samples were analyzed for asbestos content by Polarized Light Microscopy (PLM, EPA Method 600/R-93/116, July 1993). Analytical results document that all of the samples materials were non-detect for asbestos. Based upon the limited nature of the sampling activities, the potential exists for asbestos to be present in materials not observed and/or sampled. PM recommends the completion of an ACBM survey prior to significant renovation or demolition activities in the clubhouse building.

Non-ASTM Item	Observations or Information
Lead Based Paint (LBP)	Based on the age of the original/eastern portion of the building, the potential exists for LBP to be present. No chipping, peeling, or blistering paint were observed during the site reconnaissance. PM recommends the completion of an LBP survey prior to significant renovation activities that might disturb painted surfaces in this portion of the building.
Visual Mold or Significant Moisture Damage	None identified.
Wetlands	PM did not observe any potential wetlands during the site reconnaissance. Additionally, review of the United States Fish and Wildlife Service (USFWS) online wetland mapper did not identify any potential wetlands on the subject property.

12.0 SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental professional* as defined in §312.10 of 40 CFR 312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR Part 312.



Michael T. Kulka, P.E.
Principal

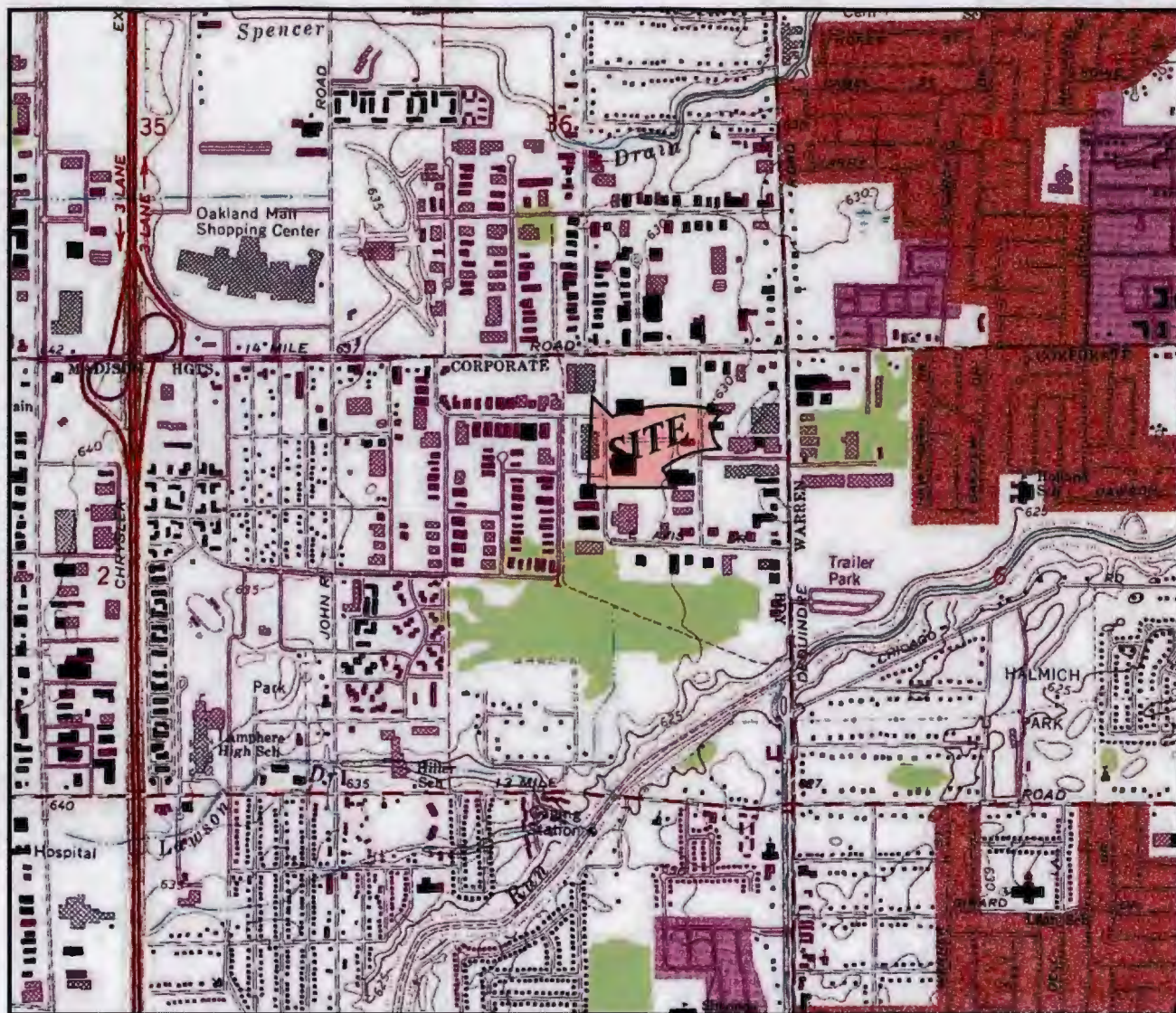
13.0 REFERENCES

The following published sources were utilized during completion of this Phase I ESA:

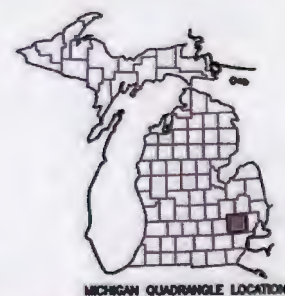
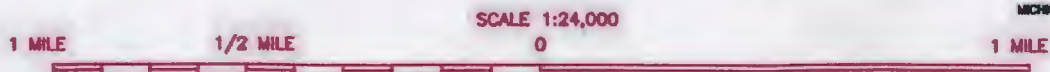
- *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM, ASTM Designation E 1527-13, Published November 2013.
- Bresser's Cross-Index City Directories, Bresser's in Detroit, Michigan. City: Madison Heights. Years: 1954-2014.
- United States Geological Survey Division (U.S.G.S.) 7.5 Minute Topographic Map Warren, Michigan Quadrangle, 1968 (photo-revised 1973 and 1980).
- United States Department of Agriculture, Custom Soil Resource Report for Oakland County, Michigan (survey area data from December 19, 2013)

Figures





OAKLAND COUNTY



MICHIGAN QUADRANGLE LOCATION

FIGURE 1

PROPERTY VICINITY MAP
USGS, 7.5 MINUTE SERIES

WARREN, MI QUADRANGLE, 1968. PHOTO REVISED 1973 AND 1980.



Environmental
& Engineering
Services

PROJ: INDUSTRIAL PROPERTY
32451 NORTH AVIS DRIVE AND
32450-32470 MILTON AVENUE
MADISON, MI

THIS IS NOT A LEGAL
SURVEY

VERIFY SCALE
0 2,000'
IF NOT 1" ON THIS
SHEET, ADJUST
SCALES ACCORDINGLY.

DRN BY: CS	DATE: 6/3/2014
CHKD BY: CK	SCALE: 1" = 2,000'
FILE NAME: 02-7403-0F01R00	



Appendix A



SITE PHOTOGRAPHS



Photographs From Site Reconnaissance
PM Project No. 02-7403-0
Location: 32451 North Avis Drive and 32450-32470 Milton
Avenue, Madison, Michigan

Photograph 1



A view of the subject property, looking
southwest

Photograph 2



The southern face of the building and southern
portion of the subject property, looking west



Photographs From Site Reconnaissance

PM Project No. 02-7403-0

Location: 32451 North Avis Drive and 32450-32470 Milton Avenue, Madison, Michigan

Photograph 3



The northern wall of the building and northern portion of the subject property, looking east

Photograph 4



The western face of the subject building,
looking southeast



Photographs From Site Reconnaissance

PM Project No. 02-7403-0

Location: 32451 North Avis Drive and 32450-32470 Milton Avenue, Madison, Michigan

Photograph 5



The truck wells on the western face of the building

Photograph 6



A view of the parking lot in the western portion of the property, looking north



Photographs From Site Reconnaissance
PM Project No. 02-7403-0
Location: 32451 North Avis Drive and 32450-32470 Milton
Avenue, Madison, Michigan

Photograph 7



A view of typical warehouse space in the
eastern portion of the building

Photograph 8



A view of typical warehouse space in the
eastern portion of the building



Photographs From Site Reconnaissance
PM Project No. 02-7403-0
Location: 32451 North Avis Drive and 32450-32470 Milton
Avenue, Madison, Michigan

Photograph 9



The apparent sealed floor drain in the eastern
portion of the building

Photograph 10



A typical floor drain in the eastern portion of the
building



Photographs From Site Reconnaissance
PM Project No. 02-7403-0
Location: 32451 North Avis Drive and 32450-32470 Milton
Avenue, Madison, Michigan

Photograph 11



A view of the patched area of concrete in the
northwestern portion of the original/eastern
portion of the building

Photograph 12



A view of the office area in the eastern portion
of the building



Photographs From Site Reconnaissance
PM Project No. 02-7403-0
Location: 32451 North Avis Drive and 32450-32470 Milton
Avenue, Madison, Michigan

Photograph 13



A view of the northwestern tenant space
(currently occupied)

Photograph 14



A packaging machine in the northwestern
tenant space



Photographs From Site Reconnaissance
PM Project No. 02-7403-0
Location: 32451 North Avis Drive and 32450-32470 Milton
Avenue, Madison, Michigan

Photograph 15



A view of the southwestern tenant space

Photograph 16



A typical truck well in the western portion of the
building



Photographs From Site Reconnaissance
PM Project No. 02-7403-0
Location: 32451 North Avis Drive and 32450-32470 Milton Avenue, Madison, Michigan

Photograph 17



A view of the north adjoining property, identified as 1100 East Mandoline Avenue

Photograph 18



A view of the northeast adjoining property, identified as 32500 North Avis Drive



Photographs From Site Reconnaissance

PM Project No. 02-7403-0

Location: 32451 North Avis Drive and 32450-32470 Milton Avenue, Madison, Michigan

Photograph 19



A view of the east adjoining property, identified as 32450 North Avis Drive

Photograph 20



A view of the southeast adjoining property, identified as 32200 North Avis Drive



Photographs From Site Reconnaissance
PM Project No. 02-7403-0
Location: 32451 North Avis Drive and 32450-32470 Milton
Avenue, Madison, Michigan

Photograph 21



A view of the south adjoining property, identified
as 32251 North Avis Drive

Photograph 22



A view of the northwest adjoining property,
identified as 32369 Milton Avenue



Photographs From Site Reconnaissance

PM Project No. 02-7403-0

Location: 32451 North Avis Drive and 32450-32470 Milton Avenue, Madison, Michigan

Photograph 23



A view of the west adjoining property, identified as 32349 Milton Avenue

Photograph 24



A view of the southwest adjoining property, identified as 32329 Milton Avenue

Appendix B



SOIL SURVEY INFORMATION



United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for **Oakland County, Michigan**



May 14, 2014

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<http://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil scientists classified and named the soils in the survey area, they compared the

Custom Soil Resource Report

individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

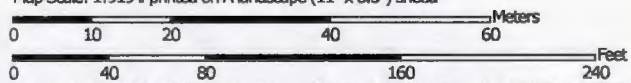
Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map



Map Scale: 1:919 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

Custom Soil Resource Report

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Oakland County, Michigan
Survey Area Data: Version 10, Dec 19, 2013

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 14, 2012—Apr 9, 2012

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Oakland County, Michigan (MI125)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
EtmaaE	Udorthents and Udipsamments, nearly level to hilly	3.3	100.0%
Totals for Area of Interest		3.3	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Custom Soil Resource Report

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Oakland County, Michigan

EtmaaE—Udorthents and Udipsamments, nearly level to hilly

Map Unit Setting

Elevation: 680 to 1,000 feet
Mean annual precipitation: 31 to 32 inches
Mean annual air temperature: 47 to 47 degrees F
Frost-free period: 137 to 179 days

Map Unit Composition

Udorthents and similar soils: 60 percent
Udipsamments and similar soils: 40 percent

Description of Udorthents

Setting

Landform: Ground moraines
Landform position (three-dimensional): Rise
Down-slope shape: Concave
Across-slope shape: Convex
Parent material: Loamy till

Typical profile

A - 0 to 8 inches: slightly alkaline, silt loam
C - 8 to 39 inches: moderately alkaline, clay loam
Cd - 39 to 80 inches: moderately alkaline, clay loam

Properties and qualities

Slope: 0 to 30 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 30 percent
Available water storage in profile: Moderate (about 6.5 inches)

Description of Udipsamments

Setting

Landform: Ground moraines
Landform position (three-dimensional): Rise
Down-slope shape: Concave
Across-slope shape: Convex
Parent material: Sandy glaciofluvial deposits

Typical profile

A - 0 to 4 inches: slightly alkaline, fine sandy loam
C1 - 4 to 12 inches: slightly alkaline, loamy fine sand
C2 - 12 to 30 inches: slightly alkaline, loamy fine sand
C3 - 30 to 80 inches: moderately alkaline, gravelly loamy fine sand

Custom Soil Resource Report

Properties and qualities

Slope: 0 to 30 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): High to very high (2.00 to 20.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 35 percent

Available water storage in profile: Low (about 4.5 inches)

Soil Information for All Uses

Soil Reports

The Soil Reports section includes various formatted tabular and narrative reports (tables) containing data for each selected soil map unit and each component of each unit. No aggregation of data has occurred as is done in reports in the Soil Properties and Qualities and Suitabilities and Limitations sections.

The reports contain soil interpretive information as well as basic soil properties and qualities. A description of each report (table) is included.

Soil Qualities and Features

This folder contains tabular reports that present various soil qualities and features. The reports (tables) include all selected map units and components for each map unit. Soil qualities are behavior and performance attributes that are not directly measured, but are inferred from observations of dynamic conditions and from soil properties. Example soil qualities include natural drainage, and frost action. Soil features are attributes that are not directly part of the soil. Example soil features include slope and depth to restrictive layer. These features can greatly impact the use and management of the soil.

Soil Features

This table gives estimates of various soil features. The estimates are used in land use planning that involves engineering considerations.

A *restrictive layer* is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers. The table indicates the hardness and thickness of the restrictive layer, both of which significantly affect the ease of excavation. *Depth to top* is the vertical distance from the soil surface to the upper boundary of the restrictive layer.

Subsidence is the settlement of organic soils or of saturated mineral soils of very low density. Subsidence generally results from either desiccation and shrinkage, or oxidation of organic material, or both, following drainage. Subsidence takes place gradually, usually over a period of several years. The table shows the expected initial

Custom Soil Resource Report

subsidence, which usually is a result of drainage, and total subsidence, which results from a combination of factors.

Potential for frost action is the likelihood of upward or lateral expansion of the soil caused by the formation of segregated ice lenses (frost heave) and the subsequent collapse of the soil and loss of strength on thawing. Frost action occurs when moisture moves into the freezing zone of the soil. Temperature, texture, density, saturated hydraulic conductivity (Ksat), content of organic matter, and depth to the water table are the most important factors considered in evaluating the potential for frost action. It is assumed that the soil is not insulated by vegetation or snow and is not artificially drained. Silty and highly structured, clayey soils that have a high water table in winter are the most susceptible to frost action. Well drained, very gravelly, or very sandy soils are the least susceptible. Frost heave and low soil strength during thawing cause damage to pavements and other rigid structures.

Risk of corrosion pertains to potential soil-induced electrochemical or chemical action that corrodes or weakens uncoated steel or concrete. The rate of corrosion of uncoated steel is related to such factors as soil moisture, particle-size distribution, acidity, and electrical conductivity of the soil. The rate of corrosion of concrete is based mainly on the sulfate and sodium content, texture, moisture content, and acidity of the soil. Special site examination and design may be needed if the combination of factors results in a severe hazard of corrosion. The steel or concrete in installations that intersect soil boundaries or soil layers is more susceptible to corrosion than the steel or concrete in installations that are entirely within one kind of soil or within one soil layer.

For uncoated steel, the risk of corrosion, expressed as *low*, *moderate*, or *high*, is based on soil drainage class, total acidity, electrical resistivity near field capacity, and electrical conductivity of the saturation extract.

For concrete, the risk of corrosion also is expressed as *low*, *moderate*, or *high*. It is based on soil texture, acidity, and amount of sulfates in the saturation extract.

Custom Soil Resource Report

Soil Features—Oakland County, Michigan									
Map symbol and soil name	Restrictive Layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		<i>In</i>	<i>In</i>		<i>In</i>	<i>In</i>			
EtmaaE— Udorthents and Udipsamments, nearly level to hilly									
Udorthents	Densic material	—	—	Very strongly cemented	—	—	Moderate	Moderate	Low
Udipsamments		—	—		—	—	Low	Low	Moderate

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United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelpdb1043084>

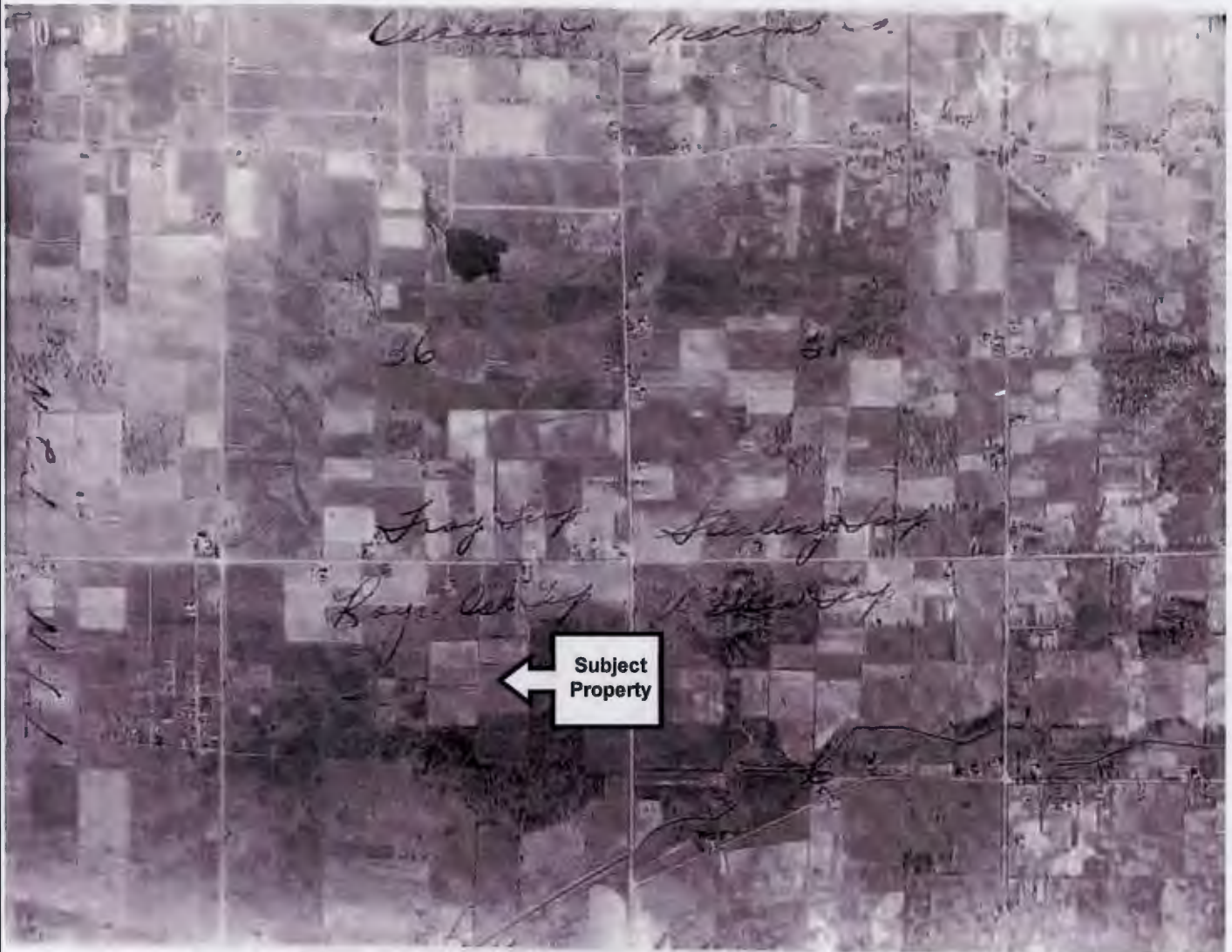
Custom Soil Resource Report

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AERIAL PHOTOGRAPHS



Location: 32451 North Avis Drive and 32450-32470 Milton Avenue,
Madison Heights, Michigan

PM Project No. 02-7403-0

Aerial Year: 1937

Source: Michigan State University Aerial Archive





Location: 32451 North Avis Drive and 32450-32470 Milton Avenue,
Madison Heights, Michigan

PM Project No. 02-7403-0

Aerial Year: 1949

Source: Wayne State University





Location: 32451 North Avis Drive and 32450-32470 Milton Avenue,
Madison Heights, Michigan

PM Project No. 02-7403-0

Aerial Year: 1963

Source: Oakland County





**Location: 32451 North Avis Drive and 32450-32470 Milton Avenue,
Madison Heights, Michigan**

PM Project No. 02-7403-0

Aerial Year: 1972

Source: Michigan State University Aerial Archive





Location: 32451 North Avis Drive and 32450-32470 Milton Avenue,
Madison Heights, Michigan

PM Project No. 02-7403-0

Aerial Year: 1974

Source: Oakland County





Location: 32451 North Avis Drive and 32450-32470 Milton Avenue,
Madison Heights, Michigan

PM Project No. 02-7403-0

Aerial Year: 1997

Source: Oakland County





**Location: 32451 North Avis Drive and 32450-32470 Milton Avenue,
Madison Heights, Michigan**

PM Project No. 02-7403-0

Aerial Year: 2000

Source: Oakland County





**Location: 32451 North Avis Drive and 32450-32470 Milton Avenue,
Madison Heights, Michigan**

PM Project No. 02-7403-0

Aerial Year: 2012

Source: Oakland County



NO SANBORN FIRE INSURANCE MAPS

32451 North Avis Drive
32451 North Avis Drive
Madison Heights, MI 48071

Inquiry Number: 3943689.5
May 14, 2014

Certified Sanborn® Map Report



6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

5/14/14

Site Name:

32451 North Avis Drive
32451 North Avis Drive
Madison Heights, MI 48071

Client Name:

PM Environmental, Inc.
3340 Ranger Road
Lansing, MI 48906

EDR Inquiry # 3943689.5

Contact: Lauren Babuska



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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: 32451 North Avis Drive
Address: 32451 North Avis Drive
City, State, Zip: Madison Heights, MI 48071
Cross Street:
P.O. # 02-7403-0
Project: 02-7403-0
Certification # 8802-4C14-9E5C



Sanborn® Library search results
Certification # 8802-4C14-9E5C

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- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

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ASSESSING DEPARTMENT RECORDS

32451 N AVIS DR	City of Madison Heights	301	M-1	Taxable	160	300	IND	01/18/13	44-25-01-251-014	1 of 1
T1N, R11E, SEC 1, LEHO INDUSTRIAL ACRES NO 6, LOTS 157 & 158, ALSO LOT 159 EXC S 20 FT										

Dirt Rd	X	Electric	Frontage	Depth	Acresage
Gravel Rd	X	Gas	260.00	600.00	
X Paved Rd	X	Curbs			
X Storm Sewer		Street Lights			3.214
Sidewalk		Std. Utilities			
X Water		Undgrmd. Utilities			
X Sewer					
Level		Wooded	Sheds(2)		
Rolling		Pond			
Low		Waterfront			
High		Ravine	PA1-AsphaltPaving	Area/Quantity	% Good
Landscaped		Wetland	PC1-ConcretePaving		
Swamp		Flood Plain	SPL-ParkingSpaces		

003	10/10/11	CompleteReview	1		
			2		
			3		
			4		

1	0	Last Sale Date	Last Sale Amount
0	0		
Income Statement Used For:			
Informational Purposes			
Income Capitalization Calculation			
Gross Rent Multiplier Calculation			
Oakland County Equalization Division 248-888-8740 www.oakgov.com/equal			

--	--

Removed adl and dock from local cost. listed in two places 10-10-11 COMP REV FOR MTT #03
2009: 1997 ADDN ADDED FROM IFT ROLL. A CORRECTED SF OF 26,871 FOR A TOTAL OF 65,691 SF. SEE ASSESSORS COMMENTS FOR DETAILED CHANGES. ALB
1998: 1/20/98 ORIGINAL BLDO 40,020 SF. 1997 ADDN OF 23,739 SF (37%) 23,739 SF IS ON IFT ROLL FOR 1998 AND FWD.
1997: BLDG ADDITION & MISC LAND IMPVS.

B U I L D I N G N O	Calculator Occupancy (3)	Industrial, Light Manufacturing					Quality (5)	Average	Percent Adjustment	
	Desc of Building/Section	BLDG 1 SEC 1					Heat #1(6)	Space Heaters, Gas with Fan	\$/Sq. Ft. Adj.	
	Year Built	1067	Year Remod	1997	Overall Bldg Ht	22	% of Flr Area Covered by #1	82	Reason	
	Class (4)	C	Sty Abv Ground	1	Eff Age	XXXX	Heat #2(6)	Package Heating & Cooling	Area	66,691
	Depr Table	2%	Avg Sty Hgt	22	Phys % Good	45	% of Flr Area Covered by #2	18	Type (8)	Low
	Total Floor Area	66,691	Bsmt Wall Hgt		Abnormal Phy.	100	Avg Sq Ft per Story	66,691	Area #1	
	Override Value		% Completed	100	Func % Good	100	Avg Perimeter	1,300	(9) Type #1	
					Econ. % Good	100	Has Elevators	No	Area #2	
							Area	Perim.	(9) Type #2	1
							Phys %	0	Funct %	0
1	Comments	BLT:1967; 26,671 SF ADD 1997,EF YR:1978 OFFICE: 8000 S.F./ 66,691 SF BLDG TOTAL					Type (7)	Finished/Office		
							Heat Type	Electric, Cable or Baseboard		
							Time 1 Fire, Pool, tent?			

Description	Area/Quant	Rate	% Good	% Arch.
LOADING WELL	4,099.0	10.50		100
AUTO DOCK LEVELER	2.0	6,200.00		100

* If blank, then depreciation is with Building

S.D. 1610

CITY OF MADISON HEIGHTS

PARCEL NO. 25-01-251-014

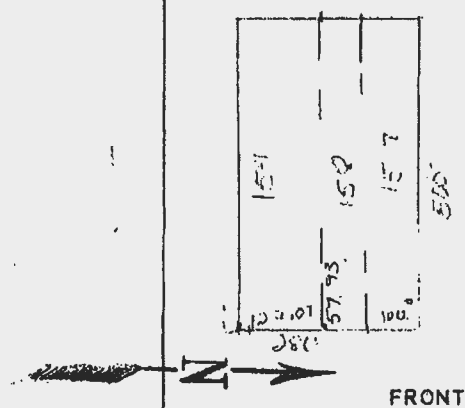
INDUSTRIAL

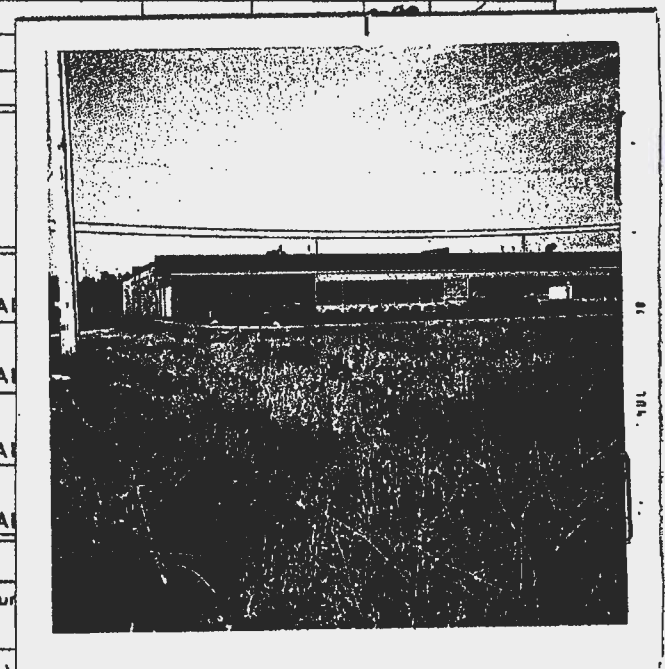
25-01-251-014

3/82

NAME	ADDRESS	ZONED	USE
Bristol Locknut Co. Frank Klaus, DelRey Capital Corp.	350 S. Fuguro, #260, Los Angeles, Ca 90071	II	II
PROPERTY ADDRESS 32451-32461 N. Avis			
BUILDING PERMIT		Date	Amount

DESCRIPTION T1N, R11E, SEC 1 LEHO INDUSTRIAL ACRES NO. 6 LOTS 157, 158 & 159 EXC. S 20 FT	IMPROVEMENTS			LAND VALUE COMPUTATIONS				
	Gravel	Curb	Water	Lot Size	Depth Factor	Equiv. Front	Rate	Base Value
	Paved	Sidewalk	Sewer	140000 # (280 x 500)			1.29	194600
	TOPOGRAPHY REMARKS: 1" = 300'						1.85	259000
LAND SKETCH							2.75	385000





ASSESSMENT HISTORY						
Year	Comp. By	Building Value Change Cause	Current Bldg. Value	Building Assessment	Land Value Change Cause	Cur
84	H.G.	EC/FT 1.44	617088	309500	L/A, 1.03	144400
85	H.G.	EC/A 1.40	599946	300000	L/A	259000
88	VK	" 1.48x428535	634228	317100	L/A	385000
89	Btk	1.08x 634228	684966	342500	1.08	415800
90	00	242 x 330, 265	799241	399600		420000
91	00	332,708 x 2.80	931582	465800		210000

SKETCH/AREA TABLE ADDENDUM

File No 44-25-01-128-015

Property Address 679 E MANDOLINE AVE

City MADISON HEIGHTS

County OAKLAND

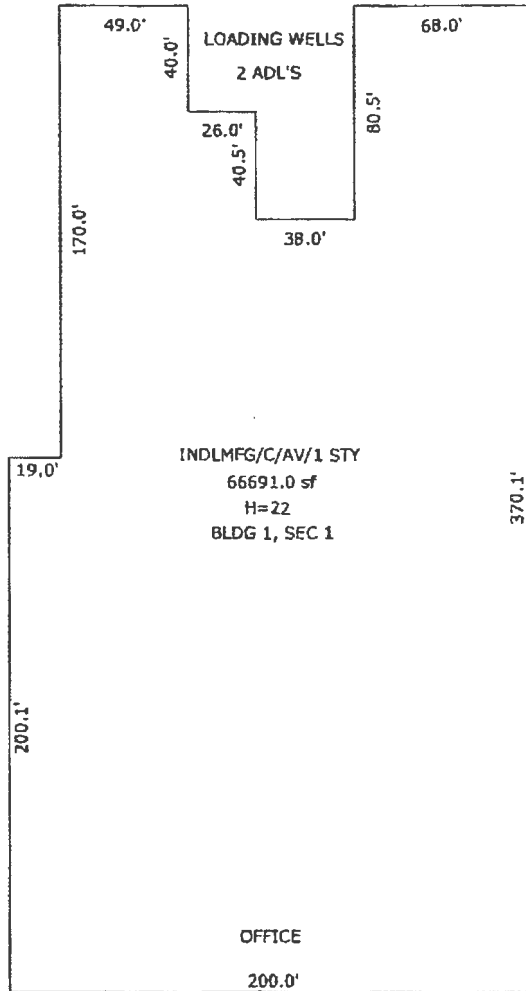
State MI

Zip 48071-1442

Owner TE-PC, LLC

Client

Appraiser Name



Scale: 1" = 67'

AREA CALCULATIONS SUMMARY

Code	Description	Factor	Net Size	Perimeter	Net Totals
11M/C/AV/1	INDLMFG/C/AV/1 STY	1.00	66691.0	1301.2	66691.0
Net BUILDING Area			(rounded w/ factors)		66691

SKETCH HISTORY

10/17/11 #69

COMMENTS

UNIT IN PLACE

LOADING WELL 4098 SQ FT
AUTO DOCK LEVELER 2

AREA CALCULATIONS

SUBJECT

IMPROVEMENTS KEICHL

General Property Information**City of Madison Heights**[\[Back to Non-Printer Friendly Version\]](#) [\[Send To Printer\]](#)

Parcel: 44-25-01-251-014

Property Address [collapse]32451 N AVIS DR
MADISON HEIGHTS, MI 48071-1560**Owner Information** [collapse]CANCRO, FRANK P
32451 N AVIS DR
MADISON HEIGHTS, MI 48071-1560

Unit: 44

Taxpayer Information [collapse]

SEE OWNER INFORMATION

General Information for Tax Year 2013 [collapse]

Property Class:	301 - 301 Ind Imp	Assessed Value:	\$688,810
School District:	160 - 160 Lamphere	Taxable Value:	\$688,810
State Equalized Value:	\$688,810	Map #	POST
PPBusCode	0	Date of Last Name Chg:	07/08/2011

Date Filed:	
Notes:	N/A
Census Block Group:	N/A

Historical District: N/A

Principal Residence Exemption	June 1st	Final
2014	0.0000 %	-
2013	0.0000 %	0.0000 %

Previous Year Info	MBOR Assessed	Final S.E.V.	Final Taxable
2012	\$744,230	\$744,230	\$744,230
2011	\$1,020,960	\$800,000	\$800,000

Land Information [collapse]

	Frontage	Depth
Lot 1:	280.00 Ft.	500.00 Ft.
Lot 2:	0.00 Ft.	0.00 Ft.
Lot 3:	0.00 Ft.	0.00 Ft.
Total Frontage:	280.00 Ft.	Average Depth: 500.00 Ft.

Total Acreage:	3.21	
Zoning Code:	M-1 LT	
Total Estimated Land Value:	\$336,000	Mortgage Code:
Land Improvements:	\$16,023	Lot Dimensions/Comments:
Renaissance Zone:	NO	
Renaissance Zone Expiration Date:		
ECF Neighborhood Code:	IND	

Legal Information for 44-25-01-251-014 [collapse]

T1N, R11E, SEC 1, LEHO INDUSTRIAL ACRES NO 6, LOTS 157 & 158, ALSO LOT 159 EXC S 20 FT

Sales Information**1 sale record(s) found.**

Sale Date	Sale Price	Instrument	Grantor	Grantee	Terms Of Sale	Liber/Page
12/24/2004	\$1.00	QC	CANCRO INVESTMENT CO, LLC	CANCRO TRUST, FRANK P	14-Other	34710-238

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[Privacy Policy](#)

Dimensions



FIRE DEPARTMENT RECORDS

May 14, 2014

City of Madison Heights Fire Department
Attn: Fire Marshall
31313 Brush
Madison Heights, MI 48071

Dear Fire Marshall,

Please accept this as a Freedom of Information Act (FOIA) requesting to *review*, and possibly make copies of information in your files relative to the following site located in Madison Heights, Michigan:

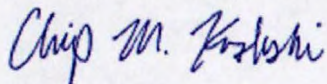
32451 North Avis Drive, Madison Heights (PID: 44-25-01-251-014)

Information we are interested in obtaining includes:

- Records of emergency responses or HAZMAT responses
- Illegal Dumping
- Historic records of UST/ASTs
- Spill Prevention Control and Countermeasures Plans
- Community Right to Know Chemical listings

Please call me when records are ready to review, and to discuss additional fees PRIOR to copying or sending information. A check for \$25 is enclosed, if you have any questions please call me at 517-321-3331 or email at Kosloski@pmenv.com. Thank you.

Sincerely,
PM Environmental, Inc.



Chip Kosloski
Staff Consultant
3340 Ranger Road
Lansing, MI 48906
PME# 02-7403-0

MADISON HEIGHTS FIRE DEPARTMENT

31313 BRUSH

MADISON HEIGHTS, MICHIGAN 48071-1847

248-588-3605

GREG LELITO
FIRE CHIEF
248-837-2833



SHAWN KNIGHT
FIRE MARSHAL
248-837-2871

FREEDOM OF INFORMATION ACT

Re: FOIA request for 32451 N. Avis & 32450-3605 Milton, Madison Heights, MI 48071

This department is in receipt of your request for information of environmental significances related to the above referenced properties. After careful review, the Madison Heights Fire Department in accordance with the Freedom of Information Act has approved your request.

In reviewing your request for information and/or copies of files kept in the ordinary course of business by the City of Madison Heights Fire Department as they pertain to the above address regarding any/all environmental issues, no environmental concerns were noted.

Date: 5/28/2014

Approved by: Rachel Emerick

HEALTH DEPARTMENT RECORDS



Detroit
4080 W. 11 Mile Rd
Berkley, MI 48072
f: 877-884-6775
t: 248-336-9988

Grand Rapids
820 Monroe Avenue, NW
Suite 433
Grand Rapids, MI 49503
f: 877-884-6775
t: 616-285-8857

Lansing
3340 Ranger Road
Lansing, MI 48906
f: 877-884-6775
t: 517-321-3331

VIA FACSIMILE (248) 452-9758

May 14, 2014

FOIA Coordinator
Environmental Health Services
Oakland County Health Division
County Complex
1200 North Telegraph Road
Pontiac, MI 48341

Dear FOIA Coordinator:

Please accept this request for copies of information in your files relative to the following site:

32451 North Avis Drive, Madison Heights (PID: 25-01-251-014)

Information we are interested in obtaining includes:

- Results of water quality testing, conducted on any Type II water wells located on the property
- Well log and septic information
- Individual files that are available for the site which may include records of health department inspections, and violations
- Any records of dry cleaning operations at the site
- Any indications of USTs or ASTs located on the site.

Please contact us regarding the availability of information and potential fees associated with reproduction, *prior to reproducing any material*. We anticipate that a sanitarian will answer these questions only to their best of his/her knowledge without the need for extraneous research. We would appreciate any assistance in receiving information as soon as possible due to our scheduled deadlines. We do not need any food related records.

Please call me at 248-414-1432 or email me at babuska@pmenv.com if you have any questions or concerns regarding this request. Please fax your response to my attention at 877-884-6775 or, if it is too large, mail to the address below. Thank you.

Sincerely,
PM Environmental, Inc.,

Lauren Babuska
Research Consultant
4080 West Eleven Mile Road
Berkley, MI 48072
PME Project No. 02-7403-0 CK (6/9/14)

May 21, 2014

RECEIVED
5/22/14

LAUREN BABUSKA
PM ENVIRONMENTAL INC
4080 WEST ELEVEN MILE ROAD
BERKLEY MI 48072

RE: FOIA REQUEST, 32451 NORTH AVIS DRIVE, MADISON HEIGHTS, OAKLAND COUNTY, MI. PARCEL #: 25-01-251-014. PROJECT #: 02-7403-0 CK (6/9/14)

Dear Ms. Babuska:

Your request is approved in part and denied in part. Per your request and a review of our records, the Oakland County Health Division (OCHD) has no information regarding on-site sewage disposal permits, water sample results, Type II files, well logs, or water well permits for the captioned property. This Division does not maintain files for LUSTs, ASTs or USTs for this site. OCHD does not maintain files for dry cleaning operations on this site. There is a groundwater ordinance for Madison Heights.

PROVIDED:

Copies of ordinance number 1065

Your request for information regarding "...health department inspections, and violations..." is denied for the reason that it fails to meet conditions of MCL 15.233(1) of the Freedom of Information Act, Act 442 of 1976 (FOIA), in that it does not describe a public record sufficiently to enable the public body to find the public record.

If you wish to modify your request by providing a complete list of specific concerns and properties, with date ranges for the information you desire, OCHD will provide available information in compliance with the FOIA.

It is recommended that you contact the Michigan Department of Licensing and Regulatory Affairs and the Michigan Department of Environmental Quality as those agencies have regulatory authority over certain environmental pollutants and monitoring activities. Similarly, it is advised that you contact the local water supply and sewer agencies as they may have authority over certain aspects of the captioned property. If you have any questions, please contact this Division at (248) 858-1312.

YOUR FURTHER LEGAL RIGHTS

To the extent that this response, in your opinion, constitutes a denial of your FOIA rights under the Michigan Freedom of Information Act, your statutory remedies under MCL 15.240, as required to be provided to you by the statute, are as follows:

a:\ehs\32451 North Avis Drive.doc FOIA

NORTH OAKLAND HEALTH CENTER
1200 NORTH TELEGRAPH ROAD
PONTIAC MICHIGAN 48341-0432
General Information 248-858-1280

SOUTH OAKLAND HEALTH CENTER
27725 GREENFIELD ROAD
SOUTHFIELD MICHIGAN 48076-3663
General Information 248-424-7000

MCL 15.240

- (1) If a public body makes a final determination to deny all or a portion of a request, the requesting person may do 1 of the following at his or her option:
 - (a) Submit to L. Brooks Patterson, Oakland County Executive, a written appeal that specifically states the word "appeal" and identifies the reason or reasons for reversal of the denial.
 - (b) Commence an action in the circuit court to compel the public body's disclosure of the public records within 180 days after a public body's final determination to deny the request.
- (2) Within 10 days after receiving a written appeal pursuant to subsection (1)(a), the head of the public body shall do one of the following:
 - (a) Reverse the disclosure denial.
 - (b) Issue a written notice to the requesting person upholding the disclosure denial.
 - (c) Reverse the disclosure denial in part and issue a written notice to the requesting person upholding the disclosure denial in part.
 - (d) Under unusual circumstances, issue a notice extending for not more than 10 business days the period during which the head of the public body shall respond to the written appeal. The head of the public body shall not issue more than one notice of extension for a particular written appeal.
- (3) A board or commission that is the head of a public body is not considered to have received a written appeal under subsection (2) until the first regularly scheduled meeting of that board or commission following submission of the written appeal under subsection (1)(a). If the head of the public body fails to respond to a written appeal pursuant to subsection (2), or if the head of the public body upholds all or a portion of the disclosure denial that is the subject of the written appeal, the requesting person may seek judicial review of the nondisclosure by commencing an action in the circuit court under subsection (1)(b).
- (4) In an action commenced under subsection (1)(b), a court that determines a public record is not exempt from disclosure shall order the public body to cease withholding or to produce all or a portion of a public record wrongfully withheld, regardless of the location of the public record. The circuit court of the county in which the complainant resides or has his or her principal place of business, or the circuit court for the county in which the public record or an office of the public body is located has venue over the action. The court shall determine the matter de novo and the burden is on the public body to sustain its denial. The court, on its own motion, may view the public record in controversy in private before reaching a decision. Failure to comply with an order of the court may be punished as contempt of court.
- (5) An action commenced under this section and appeal from an action commenced under this section shall be assigned for hearing and trial or for argument at the earliest practicable date and expedited in every way.
- (6) If a person asserting the right to inspect, copy, or to receive a copy of all or a portion of a public record prevails in an action commenced under to this section, the court shall award reasonable attorneys' fees, costs, and disbursements. If the person or the public body prevails in part, the court may, in its discretion, award all or an appropriate portion of reasonable attorneys' fees, costs, and disbursements. The award shall be assessed against the public body liable for damages under subsection.

ORDINANCE NO. 1065

AMENDMENT TO CODE OF ORDINANCES

An Ordinance to amend Chapter 29, Article II (Water), Division 3 (Connection and Use) of the Code of Ordinances of the City of Madison Heights by adding Section 29-54, entitled "Groundwater Well Regulations", to protect the public health and safety by prohibiting the use of groundwater wells within the City.

THE CITY OF MADISGN HEIGHTS ORDAINS:

Section 1.

That Chapter 29, Article II, Division 3, of the Code of Ordinances, City of Madison Heights, Michigan, is hereby amended by adding a new section, Section 29-54, as follows:

Sec. 29-54. Groundwater Well Regulations.

(a) *Purpose and Intent.*

The City Council finds that protection of groundwater resources is in the best interest of the public health and safety, and that such protection is best achieved if the use of groundwater wells and the water supplied from such wells for human consumption, irrigation, or other purposes is prohibited within the City.

(b) *Definitions.* The following definitions shall apply in the interpretation and enforcement of this article:

- (1) "Abandoned well" means a well that has been plugged in accordance with the Michigan Water Well Construction and Pump Installation Code.
- (2) "City" means the City of Madison Heights.
- (3) "Contaminated groundwater" means groundwater in which there is present concentrations of materials that exceed the residential drinking water criteria established by the MDEQ in operational memoranda or rules promulgated pursuant to Part 201, Environmental Remediation (MCL 324.20101 et seq. and as amended from time to time), or Part 213, Leaking Underground Storage Tanks (MCL 324.21301A et seq. and as amended from time to time), of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, MCL

324.101 et seq., dependent upon whether the release is regulated pursuant to Part 201 or Part 213.

- (4) "*Deputy City Manager*" is the Deputy City Manager for Public Services, or, in his absence, his duly designated and acting representative
- (5) "*Exacerbation*" means any activity with respect to existing contamination that causes the contamination to migrate beyond the property boundaries or any change in facility conditions that increases response activity costs for cleaning up the contamination.
- (6) "*Groundwater*" means underground water within the zone of saturation without regard to whether that underground water is within an aquifer.
- (7) "*Hazardous substance*" shall have the same meaning as that term has in M.C.L. 324.20201 (1) (t).
- (8) "*Human consumption*" means use in any food or drink intended for human ingestion, use in food preparation or food service, use in the interior of a dwelling unit for household purposes, and use in any building for personal washing, ingestion, or bodily cleaning.
- (9) "*Irrigation*" means the application of water or wastewater to land areas to satisfy the water and nutrient needs of plants.
- (10) "*MDEQ*" means the Michigan Department of Environmental Quality, including any successor agency.
- (11) "*New well*" means any well installed after the effective date of this chapter and any well requiring major maintenance, which includes but is not limited to redrilling or replacement of casing.
- (12) "*OCHD*" means the Oakland County Health Department.
- (13) "*Person*" means any individual, co-partnership, corporation, association, club, joint venture, estate, trust, and any other group or combination acting as a unit, and the individuals constituting such group or unit, and any other legal person.
- (14) "*Release*" means a "*release*" as defined in Part 201, Environmental Remediation (MCL 324.10101 et seq. as amended from time to time), or Part 213, Leaking Underground Storage Tanks (MCL 324.21301A et seq. as amended from time to time), of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, MCL 324.101 et seq., dependent upon whether an underground storage tank is involved.

- (15) "U.S. EPA" means the United States Environmental Protection Agency, including any successor agency or delegated agency.
 - (16) "Water Bureau" means the Water Bureau of the MDEQ or its successor, bureau or division.
 - (17) "Well" means an opening in the surface of the earth for the purpose of removing fresh water or water contaminated with hazardous substances or a test well, monitoring well, recharge well, waste disposal well or a well used temporarily for dewatering purposes during construction.
- (c) *Wells and groundwater use prohibited.*
- (1) *New wells.* Except as provided in Section 29-54 (d) of this chapter, no person, lessee or tenant or legal entity who has an ownership interest or exercises any control over any property shall install or utilize, or allow, permit or provide for the installation or utilization of a new well.
 - (2) *Existing wells.* Except as provided in Section 29-54 (d) of this chapter, no person, lessee, tenant or legal entity with a legal interest in a property shall use or allow or permit or provide for the use of an existing well on any property in which they have an ownership interest.
- (d) *Exceptions.* A person may install or utilize, or allow, permit or provide for the installation or utilization of a well within the City if any of the following exceptions applies and the requirements for the exception are met. Any wells permitted under this section shall comply with all laws, rules, regulations, permits and license requirements, orders or directives regarding the installation, use and abandonment of the well.
- (1) *Groundwater monitoring.* A well may be installed or utilized for groundwater monitoring or remediation as part of response activities approved by the MDEQ or U.S. EPA (if the U.S. EPA has jurisdiction of any issue affected by the well) or consistent with a plan meeting the requirements of applicable federal or state environmental law, without prior approval or issuance of a permit by the City.
 - (2) *Construction dewatering.* A well may be installed and/or used for construction dewatering, subject to issuance of a well permit by the City, if the following conditions are satisfied:
 - (i) Written notice of the existence of the well is given to the OCHD, Water Bureau, and Deputy City Manager;

- (ii) The use of the dewatering well will not result in unacceptable exposure to contaminated groundwater, possible cross-contamination between saturated zones, or adverse hydrogeological effects on contaminated groundwater plumes. The burden and cost of making the determinations under this subsection and properly handling and disposing of water shall be borne solely by the person proposing to install the dewatering well, which costs shall include the actual cost for the City's staff or professional contractors reviewing such determinations and issuance of any permit required under this Chapter;
 - (iii) The water generated by the dewatering well is properly handled and disposed of in compliance with all applicable laws, rules, regulations, permit and license requirements, and orders and directives of any governmental entity or agency of competent jurisdiction; and,
 - (iv) Any exacerbation of contaminated groundwater, or any release of hazardous substances or any violation of any other federal, state, or local law which is caused by the installation or use of the well under this exception shall be the responsibility of the person operating the dewatering well, to remedy as provided in Part 201 of the Natural Resources and Environmental Protection Act, being MCL 324.20101 et seq. as amended from time to time.
- (e) *Public Emergencies.* A well may be used in the event of a public emergency, in the sole determination of the City.
 - (f) *Right-of-Way Permit Required.* Under this section, a right-of-way permit shall be required prior to installing any well in the public right-of-way except in the case of a public emergency.
 - (g) *Nonconforming well.* Any existing well, the use of which is prohibited by Section 29-54 (a), (c), and (d), except as otherwise permitted by 29-54 (d), shall be plugged or abandoned by the person having an ownership interest in the premises or by the lessee or tenant or other person in control of the premises unless Section 29-54 (h) applies. Any plugging or abandonment of wells shall be done in conformance with all applicable laws, rules, regulations, permit or license requirements, orders and directives of the OCHD, Water Bureau or any other governing entity, agency or court of competent jurisdiction. Proof of abandonment and plugging shall be provided to the City, in addition to any other applicable authorities, within 90 days of such closure.
 - (h) *Use of Section 29-54 as an Institutional Control Mechanism.* Any person involved in preparing a response action plan dealing with contaminated

groundwater who seeks to use the provisions of this Section as an institutional control acceptable to MDEQ, must:

- (i) Locate and identify, by all means practicable, all existing wells;
 - (ii) At no cost to the well owner, properly plug all wells being used for purposes other than those allowed in Section 29-54 (d), in accordance with the Michigan Water Well Construction and Pump Installation Code;
 - (iii) Provide well closure records of all wells plugged to OCHD, City and MDEQ; and,
 - (iv) If a well that is closed and plugged under this subsection was being used, the person using this section shall connect the premises being served by it to the municipal water supply, in accordance with this Article and all applicable federal, state, and local requirements, and shall pay all fees and costs associated with the connection so that there is no cost to the well owner.
- (i) *Issuance of Permits.* No person shall dig or drill a well upon any lands within the City pursuant to this Chapter without having first secured a permit therefore from the City and paying all fees and costs required hereunder for the issuance of the permit. Additional costs or fees incurred under this Section shall be billed to the applicant, and shall be paid by the applicant within thirty days. The City may attach a lien to any property for which any costs or fees under this Section remain unpaid after thirty days. The form of permit and any fee for any permit issued under this Section shall be determined by the City Council.
- (j) *Enforcement Responsibility.* The Deputy City Manager or the Deputy City Manager's designee shall be responsible for the enforcement of this Section.
- (k) *Violations.* Any person, firm or corporation violating any of the provisions of this section shall be deemed guilty of a misdemeanor punishable by imprisonment for not more than 93 days or a fine of not more than \$500.00 or both. In addition, the City may seek an order from a court of competent jurisdiction to restrain any person from violating this chapter, including the collection of costs and attorney fees associated with the enforcement action.
- (l) *Nuisance.* Any well which does not conform to this Section is hereby declared and deemed a public nuisance, and is declared to be offensive to the public health and safety, subject to abatement, and shall be immediately taken out of service and properly and lawfully abandoned. Any existing well, the use of which is prohibited by this Section, shall be plugged or abandoned in conformance with all applicable laws, regulations, rules, permit and license

requirements, orders and directives of any governmental entity or agency of competent jurisdiction, or, in the absence of applicable law, rule, regulation, requirement, order, or directive, in conformance with the protocol developed consistent with the American Society for Testing and Materials ("ASTM") Standard #D5299-92. Any person found to be responsible for installing, permitting, maintaining or using such well is subject to being ordered by a court of competent jurisdiction to properly and lawfully remove or abandon such well.

- (m) All Ordinances or parts of Ordinances in conflict with this Ordinance are repealed only to the extent necessary to give this Ordinance full force and effect.
- (n) Should any section, subdivision, clause, or phrase of this Ordinance be declared by a Court of competent jurisdiction to be invalid, the validity of the Ordinance as a whole, or in part, shall not be affected other than the part invalidated.
- (o) All proceedings pending and all rights and liabilities existing, acquired or incurred at the time this Ordinance takes effect are saved and may be consummated according to the law in force when they commenced.
- (p) This Ordinance as ordered shall take effect ten (10) days after its adoption and upon publication.
- (q) A copy of this Ordinance may be inspected or purchased at the City Clerk's office between the hours of 8:00 a.m. and 4:30 p.m. on regular business days.

Edward C. Swanson
Mayor

Marilyn J. Haley
City Clerk

ORDINANCE NO. 1065

CITY OF MADISON HEIGHTS
OAKLAND COUNTY, MICHIGAN

AMENDMENT TO CODE OF ORDINANCES

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Environmental Protection Act, 1994 PA 451, as amended, MCL 324.101 et seq., dependent upon whether the release is regulated pursuant to Part 201 or Part 213.

- (4) "*Deputy City Manager*" is the Deputy City Manager for Public Services, or, in his absence, his duly designated and acting representative
- (5) "*Exacerbation*" means any activity with respect to existing contamination that causes the contamination to migrate beyond the property boundaries or any change in facility conditions that increases response activity costs for cleaning up the contamination.
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- (10) "*MDEQ*" means the Michigan Department of Environmental Quality, including any successor agency.
- (11) "*New well*" means any well installed after the effective date of this chapter and any well requiring major maintenance, which includes but is not limited to redrilling or replacement of casing.
- (12) "*OCHD*" means the Oakland County Health Department.
- (13) "*Person*" means any individual, co-partnership, corporation, association, club, joint venture, estate, trust, and any other group or combination acting as a unit, and the individuals constituting such group or unit, and any other legal person.
- (14) "*Release*" means a "*release*" as defined in Part 201, Environmental Remediation (MCL 324.10101 et seq. as amended from time to time), or Part 213, Leaking Underground Storage Tanks (MCL 324.21301A et seq. as amended from time to time), of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, MCL

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(c) *Wells and groundwater use prohibited.*

- (1) *New wells.* Except as provided in Section 29-54 (d) of this chapter, no person, lessee or tenant or legal entity who has an ownership interest or exercises any control over any property shall install or utilize, or allow, permit or provide for the installation or utilization of a new well.
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(d) *Exceptions.* A person may install or utilize, or allow, permit or provide for the installation or utilization of a well within the City if any of the following exceptions applies and the requirements for the exception are met. Any wells permitted under this section shall comply with all laws, rules, regulations, permits and license requirements, orders or directives regarding the installation, use and abandonment of the well.

- (1) *Groundwater monitoring.* A well may be installed or utilized for groundwater monitoring or remediation as part of response activities approved by the MDEQ or U.S. EPA (if the U.S. EPA has jurisdiction of any issue affected by the well) or consistent with a plan meeting the requirements of applicable federal or state environmental law, without prior approval or issuance of a permit by the City.
- (2) *Construction dewatering.* A well may be installed and/or used for construction dewatering, subject to issuance of a well permit by the City, if the following conditions are satisfied:

- (i) Written notice of the existence of the well is given to the OCHD, Water Bureau, and Deputy City Manager;
 - (ii) The use of the dewatering well will not result in unacceptable exposure to contaminated groundwater, possible cross-contamination between saturated zones, or adverse hydrogeological effects on contaminated groundwater plumes. The burden and cost of making the determinations under this subsection and properly handling and disposing of water shall be borne solely by the person proposing to install the dewatering well, which costs shall include the actual cost for the City's staff or professional contractors reviewing such determinations and issuance of any permit required under this Chapter;
 - (iii) The water generated by the dewatering well is properly handled and disposed of in compliance with all applicable laws, rules, regulations, permit and license requirements, and orders and directives of any governmental entity or agency of competent jurisdiction; and,
 - (iv) Any exacerbation of contaminated groundwater, or any release of hazardous substances or any violation of any other federal, state, or local law which is caused by the installation or use of the well under this exception shall be the responsibility of the person operating the dewatering well, to remedy as provided in Part 201 of the Natural Resources and Environmental Protection Act, being MCL 324.20101 et seq. as amended from time to time.
- (e) *Public Emergencies.* A well may be used in the event of a public emergency, in the sole determination of the City.
- (f) *Right-of-Way Permit Required.* Under this section, a right-of-way permit shall be required prior to installing any well in the public right-of-way except in the case of a public emergency.
- (g) *Nonconforming well.* Any existing well, the use of which is prohibited by Section 29-54 (a), (c), and (d), except as otherwise permitted by 29-54 (d), shall be plugged or abandoned by the person having an ownership interest in the premises or by the lessee or tenant or other person in control of the premises unless Section 29-54 (h) applies. Any plugging or abandonment of wells shall be done in conformance with all applicable laws, rules, regulations, permit or license requirements, orders and directives of the OCHD, Water Bureau or any other governing entity, agency or court of competent jurisdiction. Proof of abandonment and plugging shall be provided to the City, in addition to any other applicable authorities, within 90 days of such closure.

- (h) *Use of Section 29-54 as an Institutional Control Mechanism.* Any person involved in preparing a response action plan dealing with contaminated groundwater who seeks to use the provisions of this Section as an institutional control acceptable to MDEQ, must:
- (i) Locate and identify, by all means practicable, all existing wells;
 - (ii) At no cost to the well owner, properly plug all wells being used for purposes other than those allowed in Section 29-54 (d), in accordance with the Michigan Water Well Construction and Pump Installation Code;
 - (iii) Provide well closure records of all wells plugged to OCHD, City and MDEQ; and,
 - (iv) If a well that is closed and plugged under this subsection was being used, the person using this section shall connect the premises being served by it to the municipal water supply, in accordance with this Article and all applicable federal, state, and local requirements, and shall pay all fees and costs associated with the connection so that there is no cost to the well owner.
- (i) *Issuance of Permits.* No person shall dig or drill a well upon any lands within the City pursuant to this Chapter without having first secured a permit therefore from the City and paying all fees and costs required hereunder for the issuance of the permit. Additional costs or fees incurred under this Section shall be billed to the applicant, and shall be paid by the applicant within thirty days. The City may attach a lien to any property for which any costs or fees under this Section remain unpaid after thirty days. The form of permit and any fee for any permit issued under this Section shall be determined by the City Council.
- (j) *Enforcement Responsibility.* The Deputy City Manager or the Deputy City Manager's designee shall be responsible for the enforcement of this Section.
- (k) *Violations.* Any person, firm or corporation violating any of the provisions of this section shall be deemed guilty of a misdemeanor punishable by imprisonment for not more than 93 days or a fine of not more than \$500.00 or both. In addition, the City may seek an order from a court of competent jurisdiction to restrain any person from violating this chapter, including the collection of costs and attorney fees associated with the enforcement action.
- (l) *Nuisance.* Any well which does not conform to this Section is hereby declared and deemed a public nuisance, and is declared to be offensive to the public health and safety, subject to abatement, and shall be immediately taken out of service and properly and lawfully abandoned. Any existing well,

the use of which is prohibited by this Section, shall be plugged or abandoned in conformance with all applicable laws, regulations, rules, permit and license requirements, orders and directives of any governmental entity or agency of competent jurisdiction, or, in the absence of applicable law, rule, regulation, requirement, order, or directive, in conformance with the protocol developed consistent with the American Society for Testing and Materials ("ASTM") Standard #D5299-92. Any person found to be responsible for installing, permitting, maintaining or using such well is subject to being ordered by a court of competent jurisdiction to properly and lawfully remove or abandon such well.

- (m) All Ordinances or parts of Ordinances in conflict with this Ordinance are repealed only to the extent necessary to give this Ordinance full force and effect.
- (n) Should any section, subdivision, clause, or phrase of this Ordinance be declared by a Court of competent jurisdiction to be invalid, the validity of the Ordinance as a whole, or in part, shall not be affected other than the part invalidated.
- (o) All proceedings pending and all rights and liabilities existing, acquired or incurred at the time this Ordinance takes effect are saved and may be consummated according to the law in force when they commenced.
- (p) This Ordinance as ordered shall take effect ten (10) days after its adoption and upon publication.
- (q) A copy of this Ordinance may be inspected or purchased at the City Clerk's office between the hours of 8:00 a.m. and 4:30 p.m. on regular business days.

CERTIFICATION:

I, the duly authorized Clerk of the City of Madison Heights, do hereby certify that the foregoing is a true and correct copy of an Ordinance adopted by the Madison Heights City Council on April 13, 2009.

Marilyn J. Haley
City Clerk

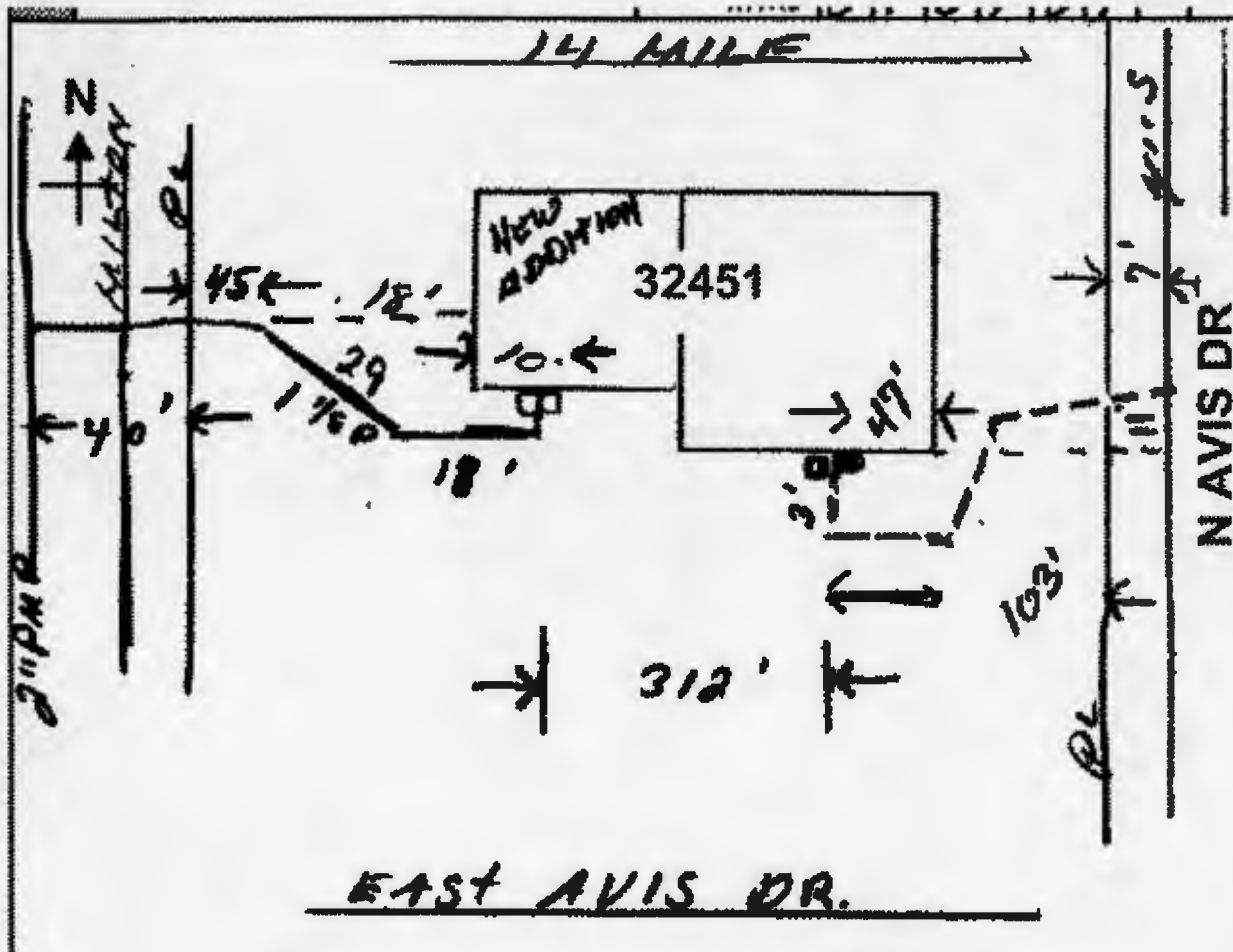
ADOPTED: April 13, 2009
PUBLISHED: April 17, 2009
EFFECTIVE: April 23, 2009

NATURAL GAS CONNECTION RECORDS

Address: 32451 N AVIS DR Unit #1, MADISON HTS

Gas Service Extension: 1 1/8" P, Inserted: N, Year Installed: 1997

Previous

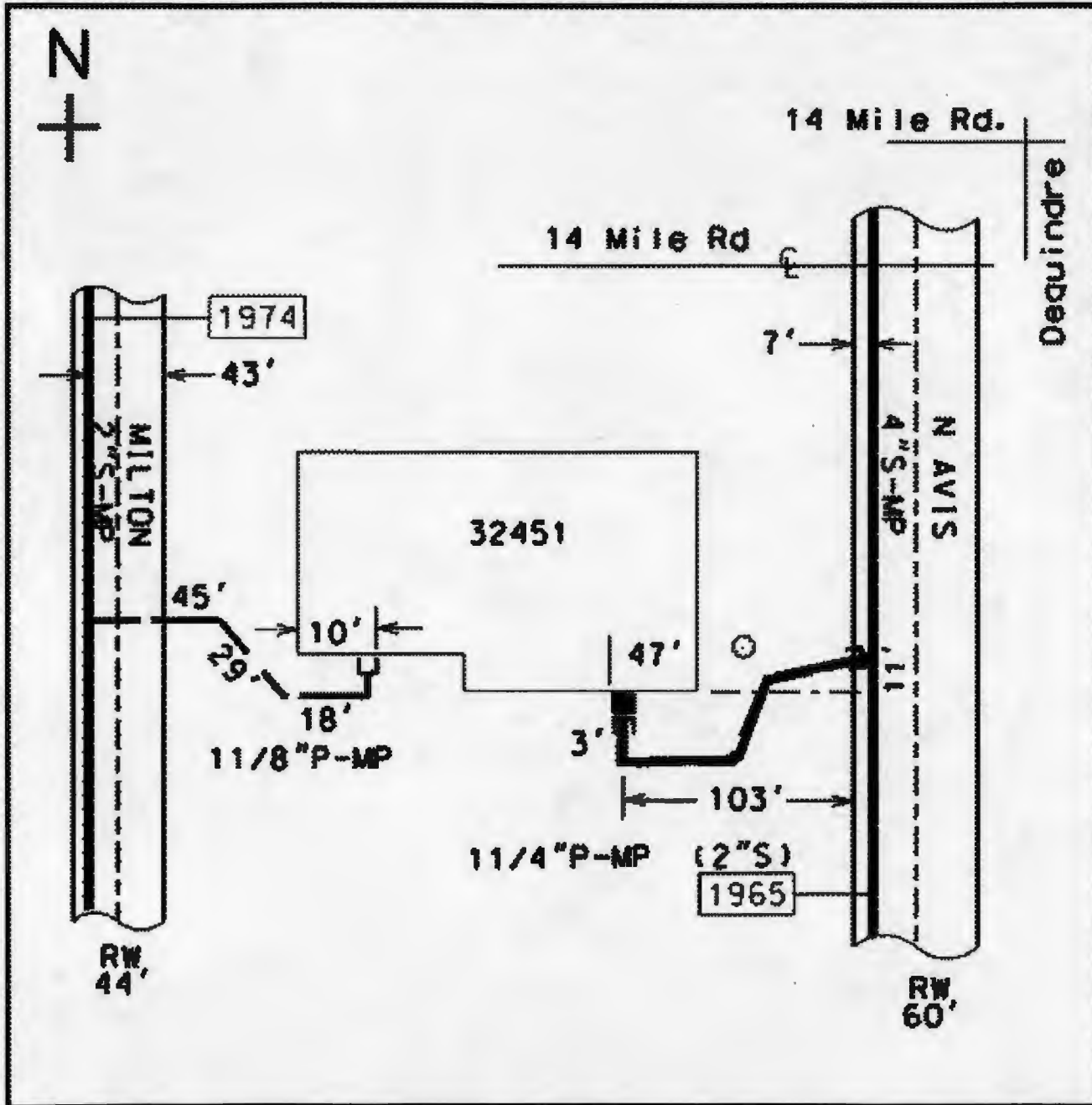


WARNING: ALL LOCATIONS ARE APPROXIMATE. FACILITIES MAY HAVE BEEN ADDED AND/OR ALTERED AFTER MAP REVISED DATE. IF YOU ARE DIGGING, LOCATIONS MUST BE VERIFIED BY FIELD STAKING UPON REQUEST AT NO CHARGE, BY CALLING MISS DIG 3 WORKING DAYS IN ADVANCE AT 1-800-482-7171. USE OF THIS WEB SITE DOES NOT RELIEVE THE USER OF ANY LEGAL DUTY TO COMPLY WITH PUBLIC ACT 53 OF 1973 OR ANY OTHER APPLICABLE LAW, REGULATION, RULE, STANDARD, OR ORDINANCE.

Address: 32451 N AVIS DR Unit #2, MADISON HTS

Gas Service Extension: 1 1/4" P, Inserted: Y, Year Installed: 2009

Previous



WARNING: ALL LOCATIONS ARE APPROXIMATE. FACILITIES MAY HAVE BEEN ADDED AND/OR ALTERED AFTER MAP REVISED DATE. IF YOU ARE DIGGING, LOCATIONS MUST BE VERIFIED BY FIELD STAKING UPON REQUEST AT NO CHARGE, BY CALLING MISS DIG 3 WORKING DAYS IN ADVANCE AT 1-800-482-7171. USE OF THIS WEB SITE DOES NOT RELIEVE THE USER OF ANY LEGAL DUTY TO COMPLY WITH PUBLIC ACT 53 OF 1973 OR ANY OTHER APPLICABLE LAW, REGULATION, RULE, STANDARD, OR ORDINANCE.

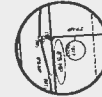
72 HOURS
(3 WORKING DAYS)
**BEFORE YOU DIG
CALL MISS DIG**
800-482-7171
(TOLL FREE)

**FOR QUESTIONS CONCERNING THIS MAP
PLEASE CALL 1-877-240-9602**

CONSUMERS ENERGY UNDERGROUND PLANT

ALL LOCATIONS ARE APPROXIMATE.
SERVICES ARE NOT SHOWN. LOCATIONS
WILL BE VERIFIED BY STAKING UPON REQUEST.

ISSUED BY Gas Information Management
ON 08-27-12. FACILITIES MAY HAVE BEEN ADDED
AFTER MAP PRINTED DATE THEREFORE,
CONSUMERS ENERGY SHALL BE CONSULTED
BEFORE ANY ACTION IS TAKEN ON THE BASIS
OF THIS MAP. THIS MAP TO BE DESTROYED
WHEN NO LONGER NEEDED.

DETAIL ¹³C⁺

DETAIL "B"



DETAIL "A"

DETAILS

01-61-01-2

ALL OF OUR PRODUCTS ARE "MADE FROM RECYCLED MATERIALS" AND WE OFFER A VARIETY OF RECYCLED PAPER PRODUCTS. WE ARE COMMITTED TO THE PROTECTION OF THE ENVIRONMENT AND THE WELL-BEING OF OUR EMPLOYEES. WE ARE A LEADER IN THE INDUSTRY AND WE ARE COMMITTED TO THE FUTURE OF THE INDUSTRY.



02-61-36-4

01-61-01-4

[illegible]

01-62-06-2

ASBESTOS RESULTS

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report

0142048

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	PM ENVIRONMENTAL	Job# / P.O. #:	02-7403-0
Address:	3340 RANGER ROAD	Date Received:	06/06/2014
	LANSING MI 48906	Date Analyzed:	06/09/2014
Collected:	06/04/2014	Date Reported:	06/09/2014
Project Name:	02-7403-0	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	RYAN FEENY
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0142048-001 HA-1A	OFFICE AREA	2x4 Ceiling Tile, White/ Beige/Lt. Brown	No	None Detected	Cellulose Fiber 75% Mineral Wool 5% Carbonates Gypsum Perlite Binder/Filler 20%
0142048-002 HA-1B	OFFICE AREA	2x4 Ceiling Tile, White/ Beige/Lt. Brown	No	None Detected	Cellulose Fiber 70% Mineral Wool 10% Carbonates Gypsum Perlite Binder/Filler 20%
0142048-003 HA-1C	OFFICE AREA	2x4 Ceiling Tile, White/ Beige/Lt. Brown	No	None Detected	Cellulose Fiber 75% Mineral Wool 5% Carbonates Gypsum Perlite Binder/Filler 20%
0142048-004 HA-2A	EXECUTIVE AREA	2x2 Ceiling Tile, White/ Beige/Lt. Brown	No	None Detected	Cellulose Fiber 75% Mineral Wool 5% Carbonates Gypsum Perlite Binder/Filler 20%
0142048-005 HA-2B	EXECUTIVE AREA	2x2 Ceiling Tile, White/ Beige/Lt. Brown	No	None Detected	Cellulose Fiber 70% Mineral Wool 10% Carbonates Gypsum Perlite Binder/Filler 20%
0142048-006 HA-2C	EXECUTIVE AREA	2x2 Ceiling Tile, White/ Beige/Lt. Brown	No	None Detected	Cellulose Fiber 70% Mineral Wool 10% Carbonates Gypsum Perlite Binder/Filler 20%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0142048

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0


Client: PM ENVIRONMENTAL
Address: 3340 RANGER ROAD
LANSING MI 48906
Collected: 06/04/2014
Project Name: 02-7403-0
Address:

Job# / P.O. #: 02-7403-0
Date Received: 06/06/2014
Date Analyzed: 06/09/2014
Date Reported: 06/09/2014
EPA Method: EPA 600/R-93/116
Submitted By: RYAN FEENY
Collected By:

Lab ID	Sample	Layer Name /	Asbestos	Asbestos Type	Non-Asbestos
Client ID	Location	Sample Description	Detected	(%)	Constituents



Analyst - Kurt Kettler



Signatory - Lab Manager - Ken Scheske

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernible layer. All analyses are derived from calibrated visual estimate and measured in area percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicated or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately less than 1 by area percent. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method for asbestos. The accreditation or any reports generated by this laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

CHAIN OF CUSTODY

EMC Laboratories
9630 S. 51ST St., Ste B-109
Phoenix, AZ 85044
(800) 362-3373 Fax (480) 893-1726

LAB#: 142048
TAT: 1 day
Rec'd: JUN 06 AM
EMC USE ONLY

COMPANY NAME: **PM ENVIRONMENTAL, INC.**

BILL TO:

3340 Ranger Rd.SameLANSING, MI 48908

CONTACT:

Phone/Fax:

(800) 485-0090 / (877) 884-6775

Email:

feeny @pmenv.com Kosloski@pmenv.com

1. **TURNAROUND TIME:** [4hr rush] [8hr rush] [1-Day] [2-Day] [3-Day] [5-Day] [6-10 Day]
 2. **TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] [Lead] [Point Count]
 3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] [Return samples to me at my expense]
 (If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. **Project Name:** _____

P.O. Number: _____

Project Number: 02-7403-0

EMC SAMPLE #	CLIENT SAMPLE #	DATE SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No
<u>1</u>	<u>HA-1A</u>	<u>6/4/14</u>	<u>2x4 c. tiles white office area</u>	<u>Y</u> N
<u>2</u>	<u>HA-2B</u>	<u>6/4/14</u>	<u>↓</u>	<u>Y</u> N
<u>3</u>	<u>HA-2C</u>	<u>6/4/14</u>	<u>↓</u>	<u>Y</u> N
				<u>Y</u> N
<u>4</u>	<u>HA-2A</u>	<u>6/4/14</u>	<u>2x2 c. tiles white executive office</u>	<u>Y</u> N
<u>5</u>	<u>HA-2B</u>	<u>6/4/14</u>	<u>↓</u>	<u>Y</u> N
<u>6</u>	<u>HA-2C</u>	<u>6/4/14</u>	<u>↓</u>	<u>Y</u> N
				<u>Y</u> N
				<u>Y</u> N
				<u>Y</u> N
				<u>Y</u> N
				<u>Y</u> N
				<u>Y</u> N
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				<u>Y</u> N
				<u>Y</u> N
				<u>Y</u> N
				<u>Y</u> N
				<u>Y</u> N

SPECIAL INSTRUCTIONS:

Sample Collector: (Print) Ryan Feeny (Signature) Ryan Feeny
 Relinquished by: RF Date/Time: 6/4/14 5pm Received by: Diana Fedorov Date/Time: 6/6/14
 Relinquished by: Diana Fedorov Date/Time: 6/6/14 Received by: [Signature] Date/Time: 6/6/14

** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.
 Rev. 09/01/08

Appendix C



NO PREVIOUS SITE INVESTIGATION

Appendix D

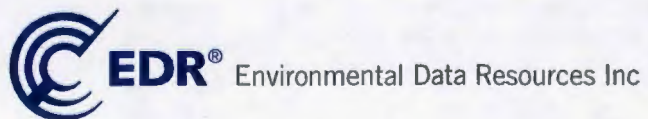


ENVIRONMENTAL DATABASE SEARCH

32451 North Avis Drive
32451 North Avis Drive
Madison Heights, MI 48071

Inquiry Number: 03943689.2r
May 14, 2014

The EDR Radius Map™ Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
Map Findings Summary	4
Map Findings	7
Orphan Summary	148
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

32451 NORTH AVIS DRIVE
MADISON HEIGHTS, MI 48071

COORDINATES

Latitude (North): 42.5301000 - 42° 31' 48.36"
Longitude (West): 83.0950000 - 83° 5' 42.00"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 327936.4
UTM Y (Meters): 4710548.0
Elevation: 631 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 42083-E1 WARREN, MI
Most Recent Revision: 1980

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2012
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
STEVENS TECH GROUP 32451 N AVIS DR MADISON HEIGHTS, MI 48071	RCRA NonGen / NLR FINDS	MID985630110
STEVENS TECH GROUP 32451 N AVIS DR MADISON HEIGHTS, MI 48071	MI WDS	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls
LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

MI SWF/LF..... Solid Waste Facilities Database

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

EXECUTIVE SUMMARY

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

MI BROWNFIELDS..... Brownfields and UST Site Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
MI HIST LF..... Inactive Solid Waste Facilities
MI SWRCY..... Recycling Facilities
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
MI CDL..... Clandestine Drug Lab Listing
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
MI LIENS..... Lien List

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
MI SPILLS..... Pollution Emergency Alerting System

Other Ascertainable Records

DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
US MINES..... Mines Master Index File
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS..... Section 7 Tracking Systems
ICIS..... Integrated Compliance Information System
PADS..... PCB Activity Database System
MLTS..... Material Licensing Tracking System
RADINFO..... Radiation Information Database

EXECUTIVE SUMMARY

RAATS.....	RCRA Administrative Action Tracking System
RMP.....	Risk Management Plans
MI UIC.....	Underground Injection Wells Database
MI DRYCLEANERS.....	Drycleaning Establishments
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
MI Financial Assurance.....	Financial Assurance Information Listing
MI COAL ASH.....	Coal Ash Disposal Sites
2020 COR ACTION.....	2020 Corrective Action Program List
US FIN ASSUR.....	Financial Assurance Information
LEAD SMELTERS.....	Lead Smelter Sites
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PRP.....	Potentially Responsible Parties
EPA WATCH LIST.....	EPA WATCH LIST
PCB TRANSFORMER.....	PCB Transformer Registration Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR US Hist Cleaners.....	EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

MI RGA HWS.....	Recovered Government Archive State Hazardous Waste Facilities List
MI RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank
MI RGA LF.....	Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS

EXECUTIVE SUMMARY

sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MCGRAW-EDISON SERVICE	32471 INDUSTRIAL BLVD	E 1/8 - 1/4 (0.222 mi.)	P58	100

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/11/2014 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GENERAL MOTORS LLC	32661 EDWARD AVE	WNW 1/4 - 1/2 (0.282 mi.)	75	125

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/11/2014 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DESIGN FABRICATIONS INC	1100 E MANDOLINE AVE	NNW 1/8 - 1/4 (0.139 mi.)	G25	48
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RELIABLE ANALYSIS INC	32201 N AVIS DR	S 0 - 1/8 (0.075 mi.)	C9	19
ROSS CONTROLS	32900 N AVIS DR	N 1/8 - 1/4 (0.145 mi.)	28	53

EXECUTIVE SUMMARY

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/11/2014 has revealed that there are 16 RCRA-CESQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ST LAWRENCE-TROY LLC	32399 MILTON AVE	WNW 0 - 1/8 (0.018 mi.)	B3	9
NATIONAL MILLWORK INC	32350 HOWARD AVE	W 1/8 - 1/4 (0.133 mi.)	E13	29
COBRA ENTERPRISES INC	32303 HOWARD AVE	W 1/8 - 1/4 (0.135 mi.)	E15	32
MEDIA DISTRIBUTION CTR	32370 HOWARD AVE	W 1/8 - 1/4 (0.135 mi.)	E17	35
DECOR GROUP INTERNATIONAL INC	32335 HOWARD AVE	W 1/8 - 1/4 (0.135 mi.)	E19	38
LEAR CORPORATION	1100 E MANDOLINE AVE	NNW 1/8 - 1/4 (0.139 mi.)	G24	46
ON SITE SPECIALISTS INC	32059 MILTON AVE	SSW 1/8 - 1/4 (0.150 mi.)	F30	59
PARRY PRECISION INC	845 E MANDOLINE AVE	NW 1/8 - 1/4 (0.163 mi.)	J34	65
INLAND DIAMOND PRODUCTS	32051 HOWARD AVE	SW 1/8 - 1/4 (0.190 mi.)	K39	72
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
INDUCTOHEAT	32251 N AVIS DR	S 0 - 1/8 (0.058 mi.)	C5	11
COCA COLA ENTERPRISES INC	32500 N AVIS DR	NE 0 - 1/8 (0.064 mi.)	D6	14
SPECMO ENTERPRISES INC	1200 E AVIS DR	S 0 - 1/8 (0.089 mi.)	C12	26
AROBOTECH SYSTEMS INC	1524 E AVIS DR	ESE 1/8 - 1/4 (0.205 mi.)	M50	89
EASOM AUTOMATION SYSTEM	32471 INDUSTRIAL DR	E 1/8 - 1/4 (0.222 mi.)	P57	97
TENNANT SALES AND SERVICE COMP	32450 INDUSTRIAL DR	E 1/8 - 1/4 (0.223 mi.)	P64	107
KA-WOOD GEAR AND MACHINE	32500 INDUSTRIAL DR	E 1/8 - 1/4 (0.224 mi.)	P66	111

State- and tribal - equivalent CERCLIS

MI SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Quality's Contaminated Sites List on Diskette With Address.

A review of the MI SHWS list, as provided by EDR, and dated 10/01/2013 has revealed that there are 2 MI SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OAKLAND TUNE UP CENTER (FORMER Facility Status: Evaluation conducted)	501 W. 14 MILE ROAD	WNW 1/2 - 1 (0.802 mi.)	91	146
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EG AND G STRUCTURAL KINEMATICS Facility Status: Interim Response in progress	32429 INDUSTRIAL DR	E 1/8 - 1/4 (0.221 mi.)	P55	95

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

MI LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's Leaking Underground Storage Tank (LUST) Database.

A review of the MI LUST list, as provided by EDR, and dated 02/01/2014 has revealed that there are 6 MI LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEMLAWN CORP Facility Status: Closed	949 E MANDOLINE AVE	NW 1/8 - 1/4 (0.144 mi.)	H27	50
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COCA-COLA ENTERPRISES-MADISON Facility Status: Closed	32500 N AVIS DR	NE 0 - 1/8 (0.064 mi.)	D7	16
SENNETT STEEL CORP Facility Status: Closed	1200 E 14 MILE RD	NNW 1/4 - 1/2 (0.273 mi.)	74	123
PENSKE TRUCK LEASING CO LP Facility Status: Closed	32600 DEQUINDRE RD	ENE 1/4 - 1/2 (0.429 mi.)	T84	135
14 MILE & DEQUINDRE INC Facility Status: Closed	1881 EAST 14 MILE RD	NE 1/4 - 1/2 (0.439 mi.)	87	139
SPEEDWAY #8803 Facility Status: Closed	32845 DEQUINDRE	NE 1/4 - 1/2 (0.492 mi.)	U89	142

State and tribal registered storage tank lists

MI UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Michigan UST database.

A review of the MI UST list, as provided by EDR, and dated 02/01/2014 has revealed that there are 4 MI UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEMLAWN CORP	949 E MANDOLINE AVE	NW 1/8 - 1/4 (0.144 mi.)	H27	50
INLAND DIAMOND PRODS. CO	32051 HOWARD AVE	SW 1/8 - 1/4 (0.190 mi.)	K38	71
VOLKSWAGEN OF AMER CORP SERV	32031 HOWARD AVE	WSW 1/8 - 1/4 (0.198 mi.)	K46	82
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COCA-COLA ENTERPRISES-MADISON	32500 N AVIS DR	NE 0 - 1/8 (0.064 mi.)	D7	16

EXECUTIVE SUMMARY

MI AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Natural Resources' Michigan AST database.

A review of the MI AST list, as provided by EDR, and dated 02/14/2014 has revealed that there is 1 MI AST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
POWERTRAIN INTEGRATION	32505 INDUSTRIAL DR	ENE 1/8 - 1/4 (0.222 mi.)	59	101

State and tribal institutional control / engineering control registries

MI AUL: A listing of sites with institutional and/or engineering controls in place.

A review of the MI AUL list, as provided by EDR, and dated 03/04/2014 has revealed that there is 1 MI AUL site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SPEEDWAY #8803	32845 DEQUINDRE	NE 1/4 - 1/2 (0.492 mi.)	U89	142

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 03/20/2014 has revealed that there is 1 US BROWNFIELDS site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EPOXI-TECH	1604 14 MILE ROAD	NE 1/4 - 1/2 (0.359 mi.)	78	129

Local Lists of Hazardous waste / Contaminated Sites

MI DEL SHWS: Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does support it's listing or the site no longer meets criteria specified in rules.

A review of the MI DEL SHWS list, as provided by EDR, and dated 08/01/2013 has revealed that there are 2 MI DEL SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GRAND HAVEN STAMPING	307 ROBBINS DR	NW 1/2 - 1 (0.537 mi.)	90	146
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HOWARD PLATING	32565 DEQUINDRE	ENE 1/4 - 1/2 (0.433 mi.)	T86	138

EXECUTIVE SUMMARY

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/11/2014 has revealed that there are 35 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BONTAZ CENTRE USA INC	32250 HOWARD AVE	WSW 1/8 - 1/4 (0.134 mi.)	14	31
KDS CONTROLS INC	32303 HOWARD AVE	W 1/8 - 1/4 (0.135 mi.)	E16	34
MEDIA DISTRIBUTION CTR	32370 HOWARD AVE	W 1/8 - 1/4 (0.135 mi.)	E18	37
THE SYLVESTER R CUDNOHUFKY TR	32365 HOWARD AVE	W 1/8 - 1/4 (0.136 mi.)	E21	40
ROBERT BOSCH CORPORATION	32381 HOWARD AVE	W 1/8 - 1/4 (0.137 mi.)	E22	42
CERTIFIED REDUCER REBUILDERS	32079 MILTON AVE	SSW 1/8 - 1/4 (0.138 mi.)	F23	44
CHEMLAWN CORP	949 E MANDOLINE AVE	NW 1/8 - 1/4 (0.144 mi.)	H27	50
BOHLER BROS OF AMERICA	900 E MANDOLINE AVE	NW 1/8 - 1/4 (0.150 mi.)	H29	57
ARDYNE INC	899 E MANDOLINE AVE	NW 1/8 - 1/4 (0.152 mi.)	H32	62
CROWN SYSTEMS CO	32375 HOWARD AVE	W 1/8 - 1/4 (0.162 mi.)	E33	63
EXCEL CIRCUITS CO INC	32096 HOWARD AVE	WSW 1/8 - 1/4 (0.171 mi.)	K35	66
INCOE CORPORATION	800 MANDOLINE AVE	NW 1/8 - 1/4 (0.174 mi.)	J36	68
MADISON CAMERON	859 E WHITCOMB AVE	SW 1/8 - 1/4 (0.181 mi.)	L37	69
CODE ALARM	950 E WHITCOMB AVE	SW 1/8 - 1/4 (0.191 mi.)	L41	75
MID WESTERN PROCESSES INC	32043 HOWARD AVE	SW 1/8 - 1/4 (0.193 mi.)	K42	77
NILFISK-ADVANCE INC	1000 E WHITCOMB AVE	SSW 1/8 - 1/4 (0.195 mi.)	L45	81
KONICA BUSINESS TECHNOLOGIES U	1101 E WHITCOMB AVE	SSW 1/8 - 1/4 (0.199 mi.)	N47	84
CHARRETTE CORP MIDWEST DIST CT	719 E MANDOLINE AVE	WNW 1/8 - 1/4 (0.202 mi.)	O48	86
TRUTRON	1100 E WHITCOMB AVE	SSW 1/8 - 1/4 (0.205 mi.)	N49	87
EHI ELICON	1155 E WHITCOMB AVE	S 1/8 - 1/4 (0.209 mi.)	N53	92
LAVALLA	650 E MANDOLINE AVE	WNW 1/8 - 1/4 (0.225 mi.)	O68	114
INLAND CRAFT PRODUCTS	32046 EDWARD AVE	WSW 1/8 - 1/4 (0.239 mi.)	Q70	118
FERGUSON CO	599 E MANDOLINE AVE	WNW 1/8 - 1/4 (0.246 mi.)	73	122
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MENASHA CORP	32200 N AVIS RD	S 0 - 1/8 (0.076 mi.)	C10	21
GONZALEZ MANUFACTURING TECH IN	32200 N AVIS DR	S 0 - 1/8 (0.076 mi.)	C11	24
ADT SYSTEMS INC	1400 E AVIS DR	SE 1/8 - 1/4 (0.151 mi.)	I31	60
LIONBRIDGE TECHNOLOGIES INC	1521 E AVIS DR	SE 1/8 - 1/4 (0.190 mi.)	I40	74
ENERGY PRODUCTS INC	1500 E AVIS DR	SE 1/8 - 1/4 (0.195 mi.)	M44	79
PARISH PUBLICATIONS LLC	32401 INDUSTRIAL DR	E 1/8 - 1/4 (0.221 mi.)	P54	93
EG AND G STRUCTURAL KINEMATICS	32429 INDUSTRIAL DR	E 1/8 - 1/4 (0.221 mi.)	P56	96
DESIGN FABRICATIONS INC	32400 INDUSTRIAL DR	E 1/8 - 1/4 (0.223 mi.)	P60	101
SEAMAN RV CO	32440 INDUSTRIAL DR	E 1/8 - 1/4 (0.223 mi.)	P62	104
ENVIRO VAC SERVICES INC	32440 INDUSTRIAL DR	E 1/8 - 1/4 (0.223 mi.)	P63	106
BELLE TIRE DISTRIBUTORS INC	32470 INDUSTRIAL DR	E 1/8 - 1/4 (0.223 mi.)	P65	109
FEC	32655 INDUSTRIAL DR	ENE 1/8 - 1/4 (0.245 mi.)	R71	119

EXECUTIVE SUMMARY

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, has revealed that there is 1 NY MANIFEST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
INLAND CRAFT CORPORATION	32046 EDWARD STREET	WSW 1/8 - 1/4 (0.239 mi.)	Q69	117

MI BEA: A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

A review of the MI BEA list, as provided by EDR, and dated 08/21/2013 has revealed that there are 15 MI BEA sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
P & S PROPERTY HOLDINGS, LLC	32349 MILTON AVENUE	W 0 - 1/8 (0.039 mi.)	B4	10
LIGHT INDUSTRIAL PROPERTY	1100 MANDOLINE AVENUE	NNW 1/8 - 1/4 (0.140 mi.)	G26	50
SENNETT STEEL CORPORATION (FOR	1200 FOURTEEN MILE ROAD	NNW 1/8 - 1/4 (0.205 mi.)	52	91
S A CHALLENGER INC	1000 TECH ROW	SSW 1/4 - 1/2 (0.367 mi.)	81	132
MGA RESEARCH CORPRORATION	446 EXECUTIVE DR	NNW 1/4 - 1/2 (0.406 mi.)	83	134
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COMMERCIAL PROPERTY	32500 NORTH AVIS DRIVE	NE 0 - 1/8 (0.064 mi.)	D8	19
COMMERCIAL BUILDING	32430 INDUSTRIAL DRIVE	E 1/8 - 1/4 (0.223 mi.)	P61	104
CAMPBELL CORNERS	1401 EAST 14 MILE ROAD	NNE 1/4 - 1/2 (0.306 mi.)	76	128
DEQUINDRE ROAD INDUSTRIAL PROP	32501 DEQUINDRE ROAD	E 1/4 - 1/2 (0.341 mi.)	77	128
JARCO INVESTMENTS, LLC	1700 EAST FOURTEEN MILE	NE 1/4 - 1/2 (0.360 mi.)	79	131
COMERICA BANK	143 INDUSCO CT	N 1/4 - 1/2 (0.366 mi.)	S80	131
ALTAIR CLEAN TECHNOLOGY CENTER	164 INDUSCO COURT	N 1/4 - 1/2 (0.383 mi.)	S82	133
WARREN AUTO CENTER	32200 DEQUINDRE ROAD	ESE 1/4 - 1/2 (0.429 mi.)	85	137
HOWARD PLATING	32565 DEQUINDRE	ENE 1/4 - 1/2 (0.433 mi.)	T86	138
BOSTICK DEVELOPMENT LC	32880 DEQUINDRE ROAD	ENE 1/4 - 1/2 (0.477 mi.)	U88	142

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 5 EDR US

EXECUTIVE SUMMARY

Hist Auto Stat sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	32355 HOWARD AVE	W 1/8 - 1/4 (0.135 mi.)	E20	40
Not reported	900 E WHITCOMB AVE	SW 1/8 - 1/4 (0.224 mi.)	67	114
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	1500 E AVIS DR	SE 1/8 - 1/4 (0.193 mi.)	M43	79
Not reported	1524 E AVIS DR	ESE 1/8 - 1/4 (0.205 mi.)	M51	91
Not reported	32655 INDUSTRIAL DR	ENE 1/8 - 1/4 (0.245 mi.)	R72	121

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 6 records.

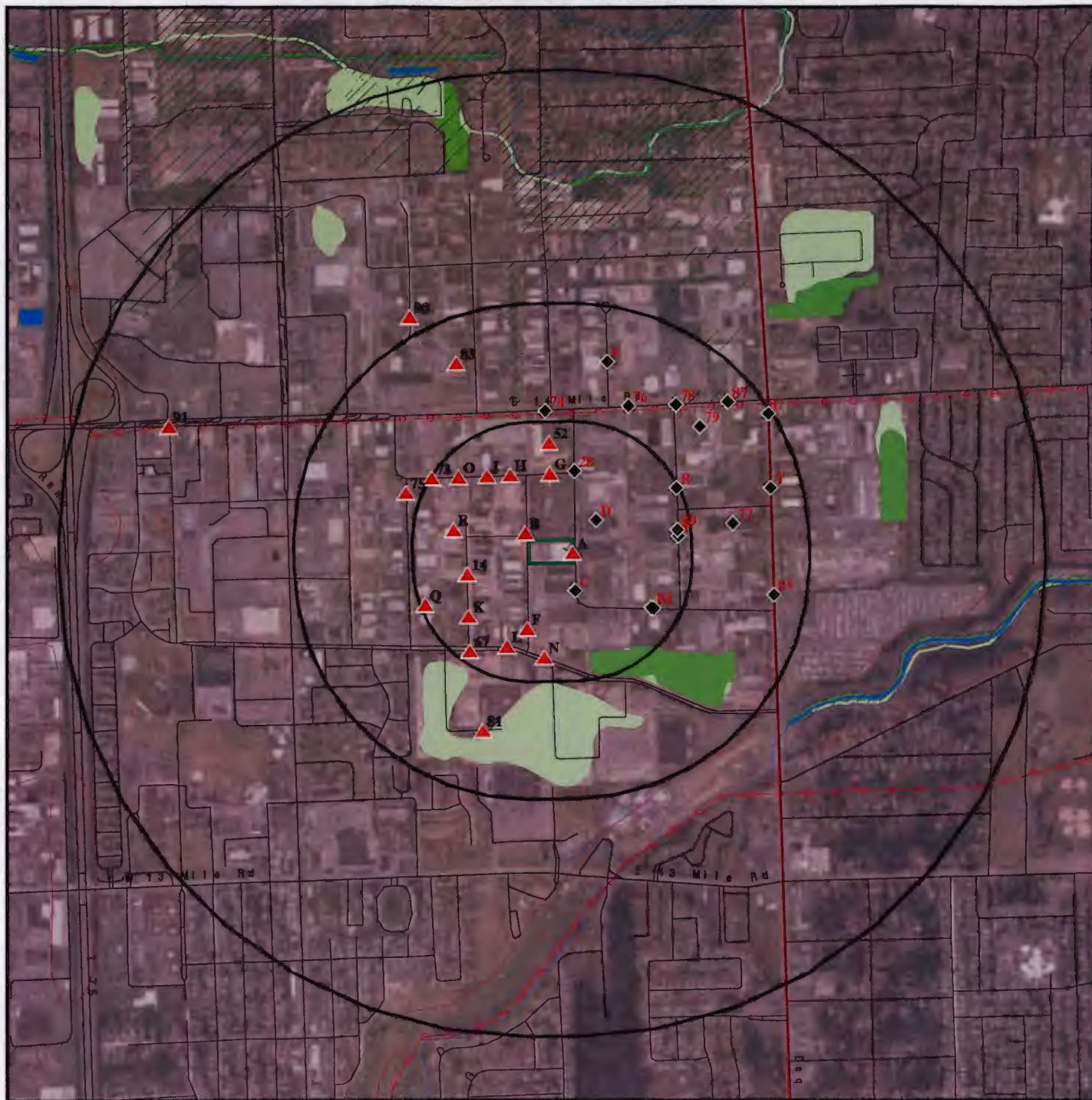
Site Name

SOCRRA JOHN R AND 12 MILE
HOWARD GAS AND OIL
VORELCO PROPERTY
DEQUINDRE & 16 MILE PROPERTY LLC
EFTEC NORTH AMERICA
AMERICAN PAPER CO

Database(s)

MI SHWS
MI SHWS
MI SHWS
MI LUST, MI UST
MI LUST, MI UST
RCRA NonGen / NLR

OVERVIEW MAP - 03943689.2r



Target Property

- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 32451 North Avis Drive
 ADDRESS: 32451 North Avis Drive
 Madison Heights MI 48071
 LAT/LONG: 42.5301 / 83.095

CLIENT: PM Environmental, Inc.
 CONTACT: Lauren Babuska
 INQUIRY #: 03943689.2r
 DATE: May 14, 2014 4:54 pm

DETAIL MAP - 03943689.2r



MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	1	0	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	1	0	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	2	NR	NR	NR	3
RCRA-CESQG	0.250		4	12	NR	NR	NR	16
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
MI SHWS	1.000		0	1	0	1	NR	2
State and tribal landfill and/or solid waste disposal site lists								
MI SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
MI LUST	0.500		1	1	4	NR	NR	6
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
MI UST	0.250		1	3	NR	NR	NR	4

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MI AST	0.250		0	1	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
MI AUL	0.500		0	0	1	NR	NR	1
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
MI BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	1	NR	NR	1
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
MI HIST LF	0.500		0	0	0	NR	NR	0
MI SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
MI DEL SHWS	1.000		0	0	1	1	NR	2
MI CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
MI LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
MI SPILLS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250	1	2	33	NR	NR	NR	36
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
MI UIC	TP		NR	NR	NR	NR	NR	0
NY MANIFEST	0.250		0	1	NR	NR	NR	1
MI DRYCLEANERS	0.250		0	0	NR	NR	NR	0
MI NPDES	TP		NR	NR	NR	NR	NR	0
MI AIRS	TP		NR	NR	NR	NR	NR	0
MI BEA	0.500		2	3	10	NR	NR	15
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
MI Financial Assurance	TP		NR	NR	NR	NR	NR	0
MI COAL ASH	0.500		0	0	0	NR	NR	0
MI WDS	TP	1	NR	NR	NR	NR	NR	1
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	5	NR	NR	NR	5
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

MI RGA HWS	TP		NR	NR	NR	NR	NR	0
MI RGA LUST	TP		NR	NR	NR	NR	NR	0
MI RGA LF	TP		NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1 **STEVENS TECH GROUP**
Target **32451 N AVIS DR**
Property **MADISON HEIGHTS, MI 48071**

RCRA NonGen / NLR **1000530499**
FINDS **MID985630110**

Site 1 of 2 in cluster A

Actual:
631 ft.

RCRA NonGen / NLR:

Date form received by agency: 09/17/1998
Facility name: STEVENS TECH GROUP
Facility address: 32451 N AVIS DR
 MADISON HEIGHTS, MI 48071

EPA ID: MID985630110
Contact: RICHARD MORRIS
Contact address: 32451 N AVIS DR
 MADISON HEIGHTS, MI 48071

Contact country: US
Contact telephone: (313) 585-5280
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: STEVENS JOHN
Owner/operator address: Not reported
 Not reported

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: STEVENS JOHN
Owner/operator address: Not reported
 Not reported

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEVENS TECH GROUP (Continued)

1000530499

Used oil transporter: No

Historical Generators:

Date form received by agency: 12/16/1991

Facility name: STEVENS TECH GROUP

Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003666408

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A2
Target
Property
STEVENS TECH GROUP
32451 N AVIS DR
MADISON HEIGHTS, MI 48071

MI WDS **S111940450**
N/A

Site 2 of 2 in cluster A

Actual:
631 ft.

WDS:

Site Id: MID985630110

WMD Id: 406532

Site Specific Name: STEVENS TECH GROUP

Mailing Address: 32451 N AVIS DR

Mailing City/State/Zip: 48071

Mailing County: OAKLAND

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B3 ST LAWRENCE-TROY LLC
WNW 32399 MILTON AVE
< 1/8 MADISON HEIGHTS, MI 48071
0.018 mi.
93 ft. Site 1 of 2 in cluster B

RCRA-CESQG 1007098999
MIK595372764

Relative:
Higher

Actual:
631 ft.

RCRA-CESQG:

Date form received by agency: 08/14/2001

Facility name: ST LAWRENCE-TROY LLC

Facility address: 32399 MILTON AVE
MADISON HEIGHTS, MI 48071

EPA ID: MIK595372764

Contact: LINDA FESSENDEN

Contact address: 32399 MILTON AVE
MADISON HEIGHTS, MI 48071

Contact country: US

Contact telephone: (248) 585-7733

Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: ST LAWRENCE-TROY LLC

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 04/01/2000

Owner/Op end date: Not reported

Owner/operator name: ST LAWRENCE-TROY LLC

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 04/01/2000

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ST LAWRENCE-TROY LLC (Continued)

1007098999

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/1980
Facility name: ST LAWRENCE-TROY LLC
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

B4
West
< 1/8
0.039 mi.
204 ft.

P & S PROPERTY HOLDINGS, LLC
32349 MILTON AVENUE
MADISON HEIGHTS, MI 48071

MI BEA S110624659
MI WDS N/A

Site 2 of 2 in cluster B

Relative:
Higher

BEA:
Secondary Address: Not reported
BEA Number: 5238
District: Southeast MI
Date Received: 07/13/2012
Submitter Name: P & S Property Holdings, LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: berakr
Division Assigned: RD

Actual:
631 ft.

Secondary Address: Not reported
BEA Number: 4616
District: Southeast MI
Date Received: 10/26/2010
Submitter Name: Bank of America
Petition Determination: No Request
Petition Disclosure: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

P & S PROPERTY HOLDINGS, LLC (Continued)

S110624659

Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: ndukwee
Division Assigned: RRD

WDS:

Site Id: MIG000012862
WMD Id: 455927
Site Specific Name: CTS CORP
Mailing Address: 32349 MILTON AVE
Mailing City/State/Zip: 48071
Mailing County: OAKLAND

C5
South
< 1/8
0.058 mi.
308 ft.

INDUCTOHEAT
32251 N AVIS DR
MADISON HEIGHTS, MI 48071

RCRA-CESQG 1000106693
FINDS MID980791883

Site 1 of 5 in cluster C

Relative:
Lower

RCRA-CESQG:

Date form received by agency: 04/03/2003
Facility name: INDUCTOHEAT
Facility address: 32251 N AVIS DR
MADISON HEIGHTS, MI 48071
EPA ID: MID980791883
Contact: JEROME SINKOWSKI
Contact address: 32251 N AVIS DR
MADISON HEIGHTS, MI 48071

Actual:
630 ft.

Contact country: US
Contact telephone: (248) 585-9393
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: INDUCTOHEAT INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INDUCTOHEAT (Continued)

1000106693

Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: INDUCTOHEAT INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/17/1998
Facility name: INDUCTOHEAT
Classification: Not a generator, verified

Date form received by agency: 02/18/1997
Facility name: INDUCTOHEAT
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/01/1980
Facility name: INDUCTOHEAT
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INDUCTOHEAT (Continued)

1000106693

Area of violation: Generators - Manifest
Date violation determined: 07/23/1996
Date achieved compliance: 08/20/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/23/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 07/23/1996
Date achieved compliance: 08/20/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/23/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 07/23/1996
Date achieved compliance: 08/20/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/23/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/23/1996
Date achieved compliance: 08/20/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/23/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 07/17/1996

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INDUCTOHEAT (Continued)

1000106693

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 08/20/1997
Evaluation lead agency: State

Evaluation date: 07/17/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/20/1997
Evaluation lead agency: State

Evaluation date: 07/17/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 08/20/1997
Evaluation lead agency: State

Evaluation date: 07/17/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/20/1997
Evaluation lead agency: State

FINDS:

Registry ID: 110003617006

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

D6
NE
< 1/8
0.064 mi.
338 ft.

COCA COLA ENTERPRISES INC
32500 N AVIS DR
MADISON HEIGHTS, MI
Site 1 of 3 in cluster D

RCRA-CESQG 1000451594
FINDS MID985585488

Relative:
Lower

Actual:
630 ft.

RCRA-CESQG:
Date form received by agency: 12/31/2004
Facility name: COCA COLA ENTERPRISES INC
Facility address: 32500 N AVIS DR
MADISON HEIGHTS, MI 48071
EPA ID: MID985585488
Contact: KATHY COLE
Contact address: 32500 N AVIS DR
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (248) 837-6332
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time;

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COCA COLA ENTERPRISES INC (Continued)

1000451594

or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: COCA COLA ENTERPRISES
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: COCA COLA ENTERPRISES
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 08/24/1990
Facility name: COCA COLA ENTERPRISES INC
Classification: Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COCA COLA ENTERPRISES INC (Continued)

1000451594

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003644281

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

D7
NE
< 1/8
0.064 ml.
338 ft.
COCA-COLA ENTERPRISES-MADISON
32500 N AVIS DR
MADISON HEIGHTS, MI 48071
Site 2 of 3 in cluster D

MI LUST U002302730
MI UST N/A
MI AIRS
MI WDS

Relative:
Lower

LUST:

Actual:
630 ft.

Facility ID: 00034909
Source: STATE OF MICHIGAN
Owner Name: Coca-Cola Enterprises Inc
Owner Address: 3300 S Creyts Rd
Owner City,St,Zip: Lansing, MI 48917-8508
Owner Contact: Not reported
Owner Phone: (517) 322-2653
Country: USA
District: SE Michigan District Office
Site Name: Coca-cola Madison Heights
Latitude: 42.53149
Longitude: -83.09480
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1626-91
Release Date: 08/07/1991
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 05/12/1995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COCA-COLA ENTERPRISES-MADISON (Continued)

U002302730

Leak Number: C-1640-90
Release Date: 08/27/1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 05/12/1995

UST:

Facility ID: 00034909
Facility Type: CLOSED
Owner Name: COCA-COLA ENTERPRISES INC
Owner Address: 3300 S CREYTS RD
Owner City,St,Zip: LANSING, MI 48917-8508
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (517) 322-2653
Contact: AL PUGLIESE
Contact Phone: (248) 585-1248
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.53149
Longitude: -83.09480

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 3000
Product: Gasoline
Install Date: 01/01/1979
Remove Date: 01/01/1987
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Pressure
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 12000
Product: Diesel
Install Date: 01/01/1979
Remove Date: 01/01/1987
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Pressure
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COCA-COLA ENTERPRISES-MADISON (Continued)

U002302730

Capacity: 12000
Product: Diesel
Install Date: 01/01/1979
Remove Date: 01/01/1987
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Pressure
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

AIRS:

State Registration Number: P0367
Naics Code: Not reported
Contact Name: TUSHAR PATEL
Contact Phone: 2482841170
Contact Address: H R TECHNOLOGIES INC
Contact Address 2: 32500 N AVIS DRIVE
Contact City,St,Zip: MADISON HEIGHTS, MI 48071
Permit Number: 115-12
Date Received: 07/30/2012
State Registration Number: P0367
Country: Not reported
Application Reason: PRE FORM LINE
Record Type: Not reported
State County FIPS: Not reported
Facility Category: Not reported
SIC Primary: Not reported
Tribal Code: Not reported
Supplemental Location Text: Not reported
Dun & Brad Street Number: Not reported
Business Name: Not reported
Principal Product: Not reported
Principal Product Description: Not reported
UTM Zone (Geo Coordinates Universal Transverse Mercator System): Not reported
UTM Horizontal Coord: Not reported
UTM Vertical Coord: Not reported
Mailing Name: Not reported
Mailing Contact Person: Not reported
Mailing Street: Not reported
Mailing City: Not reported
Mailing State: Not reported
Mailing Zip: Not reported
Mailing Zip 4 Extension: Not reported
Compliance Person: Not reported
Compliance Area Code: Not reported
Compliance Phone Number: Not reported
Emission Inventory Contact Person: Not reported
EI Contact Area Code: Not reported
EI Contact Phone Number: Not reported
Permit Contact Person: Not reported
Permit Contact Person Area Code: Not reported
Permit Contact Person Phone Number: Not reported
Federal Employer Id Number: Not reported
Of Employees: Not reported
Reporting Year: Not reported
Date Record Was Created: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COCA-COLA ENTERPRISES-MADISON (Continued)

U002302730

WDS:

Site Id: MID985585488
WMD Id: 403366
Site Specific Name: COCA COLA ENTERPRISES INC
Mailing Address: 32500 N AVIS DR
Mailing City/State/Zip: 48071
Mailing County: OAKLAND

D8
NE
< 1/8
0.064 mi.
338 ft.
Site 3 of 3 in cluster D

COMMERCIAL PROPERTY
32500 NORTH AVIS DRIVE
MADISON HEIGHTS, MI 48071

MI BEA S108669839
N/A

Relative:
Lower

BEA:

Secondary Address: Not reported
BEA Number: 3581
District: Southeast MI
Date Received: 06/08/2007
Submitter Name: Art Investments, LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Different Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: mitchelf
Division Assigned: Storage Tank Division

Actual:
630 ft.

Secondary Address: Not reported
BEA Number: 3582
District: Southeast MI
Date Received: 06/08/2007
Submitter Name: H. R. Technologies, Inc.
Petition Determination: No Request
Petition Disclosure: 0
Category: Different Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: mitchelf
Division Assigned: Storage Tank Division

C9
South
< 1/8
0.075 mi.
398 ft.
Site 2 of 5 in cluster C

RELIABLE ANALYSIS INC
32201 N AVIS DR
MADISON HEIGHTS, MI 48071

RCRA-SQG 1007098687
FINDS MIK555722610

Relative:
Lower

RCRA-SQG:

Date form received by agency: 05/23/2013
Facility name: RELIABLE ANALYSIS INC
Facility address: 32201 N AVIS DR
MADISON HEIGHTS, MI 48071
EPA ID: MIK555722610
Contact: BILL SCHWEITZER
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (248) 588-9770

Actual:
630 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIABLE ANALYSIS INC (Continued)

1007098687

Contact email: BSCHWEITZER@RALAB.COM
EPA Region: 05
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: RELIABLE ANALYSIS INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/01/2011
Owner/Op end date: Not reported

Owner/operator name: RELIABLE ANALYSIS INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/01/2011
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 08/15/2001
Facility name: RELIABLE ANALYSIS INC
Site name: MSX INTERNATIONAL INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/01/1980
Facility name: RELIABLE ANALYSIS INC
Site name: MSX INTERNATIONAL INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIABLE ANALYSIS INC (Continued)

1007098687

Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110015818695

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

C10
South
< 1/8
0.076 mi.
402 ft.

MENASHA CORP
32200 N AVIS RD
MADISON HEIGHTS, MI 48071

RCRA NonGen / NLR 1004724824
US AIRS MIR000014977

Site 3 of 5 in cluster C

Relative:
Lower

RCRA NonGen / NLR:

Date form received by agency: 01/13/2005

Facility name: MENASHA CORP

Facility address: 32200 N AVIS RD
MADISON HEIGHTS, MI 48071

EPA ID: MIR000014977

Contact: DAVID SHELBY

Contact address: 32200 N AVIS RD
MADISON HEIGHTS, MI 48071

Contact country: US

Contact telephone: (414) 560-0389

Contact email: Not reported

EPA Region: 05

Land type: Other land type

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
630 ft.

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MENASHA CORP (Continued)

1004724824

Owner/Operator Type: Owner
Owner/Op start date: 01/14/2005
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/14/2005
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 05/07/1996
Facility name: MENASHA CORP
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 01/13/2005
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MENASHA CORP (Continued)

1004724824

AIRS (AFS):

Airs Minor Details:

EPA plant ID:	110002318830
Plant name:	WOLPAC, INC.
Plant address:	32200 N AVIS DR MADISON HEIGHTS, MI 48071
County:	OAKLAND
Region code:	05
Dunn & Bradst #:	Not reported
Air quality cntrl region:	123
Sic code:	3535
Sic code desc:	CONVEYORS AND CONVEYING EQUIPMENT
North Am. industrial classf:	333922
NAIC code description:	Conveyor and Conveying Equipment Manufacturing
Default compliance status:	IN COMPLIANCE - INSPECTION
Default classification:	POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Govt facility:	ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV:	Not reported

Historical Compliance Minor Sources:

State compliance status:	IN COMPLIANCE - INSPECTION
Hist compliance date:	1004
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE - INSPECTION
Hist compliance date:	1102
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE - INSPECTION
Hist compliance date:	1201
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE - INSPECTION
Hist compliance date:	1203
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE - INSPECTION
Hist compliance date:	1302
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE - INSPECTION
Hist compliance date:	1101
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE - INSPECTION
Hist compliance date:	1103
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE - INSPECTION
Hist compliance date:	1104
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE - INSPECTION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MENASHA CORP (Continued)

1004724824

Hist compliance date: 1202
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1204
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1301
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 1303
Air prog code hist file: SIP SOURCE

Compliance & Violation Data by Minor Sources:

Air program code: SIP SOURCE
Plant air program pollutant: OTHER
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE - INSPECTION
Def. attainment/non attnmnt: Not reported
Repeat violator date: Not reported
Turnover compliance: Not reported

C11
South
< 1/8
0.076 mi.
402 ft.

GONZALEZ MANUFACTURING TECH INC
32200 N AVIS DR
MADISON HEIGHTS, MI 48071

Site 4 of 5 in cluster C

RCRA NonGen / NLR 1000206840
FINDS MID054674288

Relative:
Lower

RCRA NonGen / NLR:

Actual:
630 ft.

Date form received by agency: 01/13/2005
Facility name: GONZALEZ MANUFACTURING TECH INC
Facility address: 32200 N AVIS DR
MADISON HEIGHTS, MI 48071
EPA ID: MID054674288
Contact: CHRISTOPHER WADDELL
Contact address: 32200 N AVIS DR
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (248) 583-9514
Contact email: Not reported
EPA Region: 05
Land type: Other land type
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/14/2005
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GONZALEZ MANUFACTURING TECH INC (Continued)

1000206840

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/14/2005
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/17/1998
Facility name: GONZALEZ MANUFACTURING TECH INC
Classification: Not a generator, verified

Date form received by agency: 08/30/1988
Facility name: GONZALEZ MANUFACTURING TECH INC
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 01/13/2005
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GONZALEZ MANUFACTURING TECH INC (Continued)

1000206840

FINDS:

Registry ID: 110009597739

Environmental Interest/Information System

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C12
South
< 1/8
0.089 mi.
469 ft.

SPECMO ENTERPRISES INC
1200 E AVIS DR
MADISON HEIGHTS, MI 48071

RCRA-CESQG 1004725807
FINDS MIR000100818

Site 5 of 5 in cluster C

Relative:
Lower

RCRA-CESQG:

Date form received by agency: 08/22/2013

Facility name: SPECMO ENTERPRISES INC

Facility address: 1200 E AVIS DR

MADISON HEIGHTS, MI 48071

EPA ID: MIR000100818

Contact: THOMAS S WASKO

Contact address: Not reported

Not reported

Contact country: Not reported

Contact telephone: (248) 307-2570

Telephone ext.: 402

Contact email: TOM.WASKO@SPECMO.COM

EPA Region: 05

Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: DOS BROS LLC

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPECMO ENTERPRISES INC (Continued)

1004725807

Owner/Operator Type: Owner
Owner/Op start date: 10/01/2006
Owner/Op end date: Not reported

Owner/operator name: SPECMO ENTERPRISES
Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/01/2006
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/02/2005
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/02/2005
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:

Waste type: CONSUMER ELECTRONICS
Accumulated waste on-site: Yes
Generated waste on-site: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPECMO ENTERPRISES INC (Continued)

1004725807

Historical Generators:

Date form received by agency: 12/01/2005
Facility name: SPECMO ENTERPRISES INC
Site name: GRAPHIC ENTERPRISES INC
Classification: Not a generator, verified

Date form received by agency: 07/17/2003
Facility name: SPECMO ENTERPRISES INC
Site name: GRAPHIC ENTERPRISES INC
Classification: Small Quantity Generator

Date form received by agency: 08/19/2002
Facility name: SPECMO ENTERPRISES INC
Site name: GRAPHIC ENTERPRISES INC
Classification: Small Quantity Generator

Date form received by agency: 11/27/2000
Facility name: SPECMO ENTERPRISES INC
Site name: GRAPHIC ENTERPRISES INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Used Oil - Generators
Date violation determined: 12/07/2001
Date achieved compliance: 01/22/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/07/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPECMO ENTERPRISES INC (Continued)

1004725807

Evaluation Action Summary:

Evaluation date: 11/20/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Generators
Date achieved compliance: 01/22/2002
Evaluation lead agency: State

FINDS:

Registry ID: 110003716355

Environmental Interest/Information System

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E13
West
1/8-1/4
0.133 mi.
704 ft.

NATIONAL MILLWORK INC
32350 HOWARD AVE
MADISON HEIGHTS, MI 48071

RCRA-CESQG **1010785545**
MIK785917949

Site 1 of 10 in cluster E

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 05/01/2007
Facility name: NATIONAL MILLWORK INC
Facility address: 32350 HOWARD AVE
MADISON HEIGHTS, MI 48071
EPA ID: MIK785917949
Contact: DENNIS FIGIEL
Contact address: 32350 HOWARD AVE
MADISON HEIGHTS, MI 48071

Actual:
632 ft.

Contact country: US
Contact telephone: (248) 307-1299
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: DONNA J. KERN REVOCABLE TRUST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NATIONAL MILLWORK INC (Continued)

1010785545

Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1978
Owner/Op end date: Not reported

Owner/operator name: NATIONAL MILLWORK, INC.
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/01/2007
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/1980
Facility name: NATIONAL MILLWORK INC
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

14
WSW
1/8-1/4
0.134 mi.
708 ft.

BONTAZ CENTRE USA INC
32250 HOWARD AVE
MADISON HEIGHTS, MI 48071

RCRA NonGen / NLR 1010319845
MIK354935116

Relative:
Higher

RCRA NonGen / NLR:

Actual:
632 ft.

Date form received by agency: 01/08/2007
Facility name: BONTAZ CENTRE USA INC
Facility address: 32250 HOWARD AVE
MADISON HEIGHTS, MI 48071
EPA ID: MIK354935116
Contact: MATTHEW MEWCOMB
Contact address: 32250 HOWARD AVE
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (248) 588-8113
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: MATTHEW NEWCOMB
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/01/2002
Owner/Op end date: Not reported

Owner/operator name: BANTAZ CENTRE SAS
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/21/2001
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BONTAZ CENTRE USA INC (Continued)

1010319845

Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

E15
West
1/8-1/4
0.135 ml.
712 ft.

COBRA ENTERPRISES INC
32303 HOWARD AVE
MADISON HEIGHTS, MI 48071

RCRA-CESQG 1001025934
MIR000002956

Site 2 of 10 in cluster E

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 05/08/1995

Facility name: COBRA ENTERPRISES INC

Facility address: 32303 HOWARD AVE

MADISON HEIGHTS, MI 48071

EPA ID: MIR000002956

Contact: ERIC MYERS

Contact address: 32303 HOWARD AVE

MADISON HEIGHTS, MI 48071

Contact country: US

Contact telephone: (248) 555-1212

Contact email: Not reported

EPA Region: 05

Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: ERIC MYERS

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COBRA ENTERPRISES INC (Continued)

1001025934

Owner/Op start date: 02/02/1993
Owner/Op end date: Not reported

Owner/operator name: ERIC MYERS
Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported
Owner/operator telephone: Not reported

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/02/1993
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 06/16/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E16
West
1/8-1/4
0.135 mi.
712 ft.
KDS CONTROLS INC
32303 HOWARD AVE
MADISON HEIGHTS, MI 48071
Site 3 of 10 in cluster E

RCRA NonGen / NLR **1000691483**
FINDS **MID985642537**

Relative:
Higher

Actual:
632 ft.

RCRA NonGen / NLR:

Date form received by agency: 12/21/2000
Facility name: KDS CONTROLS INC
Facility address: 32303 HOWARD AVE
MADISON HEIGHTS, MI 48071
EPA ID: MID985642537
Contact: BARRY SHEEDLO
Contact address: 32303 HOWARD AVE
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (313) 588-5095
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1994
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1994
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KDS CONTROLS INC (Continued)

1000691483

Used oil transporter: No

Historical Generators:

Date form received by agency: 05/04/1992
Facility name: KDS CONTROLS INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110009393913

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

E17
West
1/8-1/4
0.135 mi.
713 ft.
MEDIA DISTRIBUTION CTR
32370 HOWARD AVE
MADISON HEIGHTS, MI
Site 4 of 10 in cluster E

RCRA-CESQG **1008195175**
FINDS **MIK553957986**

Relative:
Higher

Actual:
632 ft.

RCRA-CESQG:
Date form received by agency: 10/01/2005
Facility name: MICHIGAN HONE & DRILL
Facility address: 32370 HOWARD AVE
MADISON HEIGHTS, MI 48071
EPA ID: MIK553957986
Contact: CHUCK FURRER
Contact address: 32370 HOWARD AVE
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (248) 616-9310
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MEDIA DISTRIBUTION CTR (Continued)

1008195175

other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: KENNETH PAPE PARTS FINISHING GROUP INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/01/1995
Owner/Op end date: Not reported

Owner/operator name: KENNETH PAPE PARTS FINISHING GROUP INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/01/1995
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/08/2005
Facility name: MICHIGAN HONE & DRILL
Classification: Small Quantity Generator

Date form received by agency: 01/01/1980
Facility name: MICHIGAN HONE & DRILL
Classification: Not a generator, verified

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MEDIA DISTRIBUTION CTR (Continued)

1008195175

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003640757

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

E18
West
1/8-1/4
0.135 mi.
713 ft.

MEDIA DISTRIBUTION CTR
32370 HOWARD AVE
MADISON HEIGHTS, MI 48071

RCRA NonGen / NLR **1000245239**
MID985580133

Site 5 of 10 in cluster E

Relative:
Higher

RCRA NonGen / NLR:

Date form received by agency: 12/31/2001

Facility name: MEDIA DISTRIBUTION CTR

Facility address: 32370 HOWARD AVE
MADISON HEIGHTS, MI 48071

EPA ID: MID985580133

Contact: RON NYHUS

Contact address: 32370 HOWARD AVE
MADISON HEIGHTS, MI 48071

Contact country: US

Contact telephone: (313) 588-8480

Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
632 ft.

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/01/2002

Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MEDIA DISTRIBUTION CTR (Continued)

1000245239

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2002
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 05/29/1990
Facility name: MEDIA DISTRIBUTION CTR
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

E19
West
1/8-1/4
0.135 mi.
714 ft.

DECOR GROUP INTERNATIONAL INC
32335 HOWARD AVE
MADISON HEIGHTS, MI 48071

RCRA-CESQG 1015753888
MIK179779970

Site 6 of 10 in cluster E

Relative:
Higher

RCRA-CESQG:
Date form received by agency: 11/20/2012
Facility name: DECOR GROUP INTERNATIONAL INC
Facility address: 32335 HOWARD AVE
MADISON HEIGHTS, MI 48071
EPA ID: MIK179779970
Contact: LAILA M LLOYD

Actual:
632 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DECOR GROUP INTERNATIONAL INC (Continued)

1015753888

Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (248) 307-2430
Contact email: LLLOYD@DECORGROUP.COM
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: DENNIS KNOBLOCK
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2008
Owner/Op end date: Not reported

Owner/operator name: DENNIS KNOBLOCK
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2008
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DECOR GROUP INTERNATIONAL INC (Continued)

1015753888

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

E20
West
1/8-1/4
0.135 mi.
714 ft.

32355 HOWARD AVE
MADISON HEIGHTS, MI 48071

EDR US Hist Auto Stat 1015425517
N/A

Site 7 of 10 in cluster E

Relative:
Higher

EDR Historical Auto Stations:

Name: AUTOMOTIVE TECHNOLOGY INCORPORATED
Year: 1999
Address: 32355 HOWARD AVE

Actual:
632 ft.

E21
West
1/8-1/4
0.136 mi.
718 ft.

THE SYLVESTER R CUDNOHUSKY TRUST
32365 HOWARD AVE
MADISON HEIGHTS, MI 48071

RCRA NonGen / NLR 1010785370
MIK673723813

Site 8 of 10 in cluster E

Relative:
Higher

RCRA NonGen / NLR:

Date form received by agency: 09/01/2008
Facility name: THE SYLVESTER R CUDNOHUSKY TRUST
Facility address: 32365 HOWARD AVE
MADISON HEIGHTS, MI 48071
EPA ID: MIK673723813
Mailing address: 50 S LASALLE ST
CHICAGO, IL 60603
Contact: B GOPAL
Contact address: 32365 HOWARD AVE
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (517) 694-5695
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
632 ft.

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE SYLVESTER R CUDNOHUFISKY TRUST (Continued)

1010785370

Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/02/2008
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/02/2008
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 07/26/2007
Facility name: THE SYLVESTER R CUDNOHUFISKY TRUST
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E22
West
1/8-1/4
0.137 mi.
721 ft.

ROBERT BOSCH CORPORATION
32381 HOWARD AVE
MADISON HEIGHTS, MI 48071

RCRA NonGen / NLR
FINDS 1000169643
MID131262339

Site 9 of 10 in cluster E

Relative:
Higher

RCRA NonGen / NLR:

Date form received by agency: 09/17/1998

Facility name: ROBERT BOSCH CORPORATION

Facility address: 32381 HOWARD AVE
MADISON HEIGHTS, MI 48071

EPA ID: MID131262339

Contact: DAVID KOSTER

Contact address: 32381 HOWARD AVE
MADISON HEIGHTS, MI 48071

Contact country: US

Contact telephone: (313) 585-3797

Contact email: Not reported

EPA Region: 05

Land type: Private

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NAME NOT REPORTED

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/1970

Owner/Op end date: Not reported

Owner/operator name: BOSCH ROBERT SURFTRAN DIV CORP

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/01/1970

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

Used oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROBERT BOSCH CORPORATION (Continued)

1000169643

Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 12/01/1986
Facility name: ROBERT BOSCH CORPORATION
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/13/1987
Date achieved compliance: 06/19/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/20/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/13/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/19/1987
Evaluation lead agency: State

FINDS:

Registry ID: 110003612984

Environmental Interest/Information System

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Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F23
SSW
1/8-1/4
0.138 mi.
730 ft.

CERTIFIED REDUCER REBUILDERS
32079 MILTON AVE
MADISON HEIGHTS, MI 48071

RCRA NonGen / NLR
FINDS 1000411599
MID094547056

Site 1 of 2 in cluster F

Relative:
Higher

Actual:
632 ft.

RCRA NonGen / NLR:

Date form received by agency: 06/15/2006

Facility name: CERTIFIED REDUCER REBUILDERS

Facility address: 32079 MILTON AVE
MADISON HEIGHTS, MI 48071

EPA ID: MID094547056

Contact: MICHAEL RUGER

Contact address: 32079 MILTON AVE
MADISON HEIGHTS, MI 48071

Contact country: US

Contact telephone: (248) 585-0883

Contact email: Not reported

EPA Region: 05

Land type: Other land type

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 06/16/2005

Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 06/16/2005

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

Used oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CERTIFIED REDUCER REBUILDERS (Continued)

1000411599

Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/23/2006
Facility name: CERTIFIED REDUCER REBUILDERS
Classification: Small Quantity Generator

Date form received by agency: 02/21/2005
Facility name: CERTIFIED REDUCER REBUILDERS
Classification: Small Quantity Generator

Date form received by agency: 09/01/2004
Facility name: CERTIFIED REDUCER REBUILDERS
Classification: Small Quantity Generator

Date form received by agency: 07/25/1988
Facility name: CERTIFIED REDUCER REBUILDERS
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/02/1994
Date achieved compliance: 05/10/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/02/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 04/25/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/10/1994
Evaluation lead agency: State

FINDS:

Registry ID: 110003608515

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CERTIFIED REDUCER REBUILDERS (Continued)

1000411599

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

G24
NNW
1/8-1/4
0.139 mi.
736 ft.

LEAR CORPORATION
1100 E MANDOLINE AVE
MADISON HEIGHTS, MI

RCRA-CESQG 1000325100
FINDS MID982613226

Site 1 of 3 in cluster G

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 04/25/2006

Facility name: LEAR CORPORATION

Facility address: 1100 E MANDOLINE AVE
MADISON HEIGHTS, MI 48071

EPA ID: MID982613226

Contact: JOHN DURISEK

Contact address: 1100 E MANDOLINE AVE
MADISON HEIGHTS, MI 48071

Contact country: US

Contact telephone: (248) 276-8423

Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: LEAR CORPORATION

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 10/02/2003

Owner/Op end date: Not reported

Owner/operator name: FIRST INDUSTRIAL REALTY INC LAND OWNER

Owner/operator address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LEAR CORPORATION (Continued)

1000325100

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1998
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 10/05/2004
Facility name: LEAR CORPORATION
Classification: Small Quantity Generator

Date form received by agency: 10/27/1998
Facility name: LEAR CORPORATION
Classification: Not a generator, verified

Date form received by agency: 11/03/1988
Facility name: LEAR CORPORATION
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003630660

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LEAR CORPORATION (Continued)

1000325100

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

G25
NNW
1/8-1/4
0.139 mi.
736 ft.

DESIGN FABRICATIONS INC
1100 E MANDOLINE AVE
MADISON HEIGHTS, MI 48071

RCRA-SQG 1014392692
MIK759714397

Site 2 of 3 in cluster G

Relative:
Higher

Actual:
631 ft.

RCRA-SQG:

Date form received by agency: 06/04/2013

Facility name: DESIGN FABRICATIONS INC

Facility address: 1100 E MANDOLINE AVE
MADISON HEIGHTS, MI 48071

EPA ID: MIK759714397

Contact: JESSICA ROBERTS

Contact address: Not reported

Not reported

Contact country: Not reported

Contact telephone: (248) 597-0988

Telephone ext.: 226

Contact email: JROBERTS@DFABDESIGN.COM

EPA Region: 05

Land type: Private

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: BRUCE DYCH

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/02/1973

Owner/Op end date: Not reported

Owner/operator name: BRUCE DYCH

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/02/1973

Owner/Op end date: Not reported

Owner/operator name: GREGORY GERALDS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DESIGN FABRICATIONS INC (Continued)

1014392692

Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/02/2005
Owner/Op end date: Not reported

Owner/operator name: GREGORY GERALDS
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/02/2005
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 04/29/2011
Facility name: DESIGN FABRICATIONS INC
Classification: Small Quantity Generator

Date form received by agency: 04/28/2010
Facility name: DESIGN FABRICATIONS INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DESIGN FABRICATIONS INC (Continued)

1014392692

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/25/2010
Date achieved compliance: 09/16/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/01/2010
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 06/25/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/16/2010
Evaluation lead agency: State

G26
NNW
1/8-1/4
0.140 ml.
741 ft.
LIGHT INDUSTRIAL PROPERTY
1100 MANDOLINE AVENUE
MADISON HEIGHTS, MI
Site 3 of 3 in cluster G

MI BEA S106096674
N/A

Relative:
Higher

BEA:

Secondary Address: Not reported
BEA Number: 2216
District: Southeast MI
Date Received: 11/26/2003
Submitter Name: Lear Corporation
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: mathewsb
Division Assigned: Environmental Response Division

Actual:
631 ft.

H27
NW
1/8-1/4
0.144 ml.
762 ft.
CHEMLAWN CORP
949 E MANDOLINE AVE
MADISON HEIGHTS, MI
Site 1 of 3 in cluster H

RCRA NonGen / NLR 1000300723
FINDS MID057014482
MI LUST
MI UST
MI WDS

Relative:
Higher

RCRA NonGen / NLR:

Date form received by agency: 08/18/1980
Facility name: CHEMLAWN CORP
Facility address: 949 E MANDOLINE AVE
MADISON HEIGHTS, MI 48071
EPA ID: MID057014482
Mailing address: PO BOX 53
MADISON HEIGHTS, MI 48071
Contact: FRED KOCHIS

Actual:
631 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMLAWN CORP (Continued)

1000300723

Contact address: 949 E MANDOLINE AVE
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (313) 588-2727
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: CHEMLAWN CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: CHEMLAWN CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMLAWN CORP (Continued)

1000300723

Violation Status: No violations found

FINDS:

Registry ID: 110003598688

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:

Facility ID: 00011343
Source: STATE OF MICHIGAN
Owner Name: Heitman Michigan Trustee I Corp
Owner Address: 245 S EXECUTIVE DR
Owner City,St,Zip: BROOKFIELD, WI 53005
Owner Contact: Not reported
Owner Phone: (414) 784-8620
Country: USA
District: SE Michigan District Office
Site Name: Chem-lawn 949
Latitude: 42.53258
Longitude: -83.09657
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0004-92
Release Date: 01/02/1992
Substance Released: Diesel
Release Status: Closed
Release Closed Date: 03/25/1993

UST:

Facility ID: 00011343
Facility Type: CLOSED
Owner Name: HEITMAN MICHIGAN TRUSTEE I CORP
Owner Address: 245 S EXECUTIVE DR
Owner City,St,Zip: BROOKFIELD, WI 53005
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (414) 784-8620
Contact: JUDITH L BETUSH
Contact Phone: (313) 589-1666
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMLAWN CORP (Continued)

1000300723

Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.53258
Longitude: -83.09657

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 2000
Product: Diesel
Install Date: 12/16/1974
Remove Date: 12/01/1991
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

WDS:

Site Id: MID057014482
WMD Id: 396376
Site Specific Name: CHEMLAWN CORP
Mailing Address: PO BOX 53
Mailing City/State/Zip: 48071
Mailing County: OAKLAND

Site Id: MIG000049068
WMD Id: 415452
Site Specific Name: BARON INDUSTRIES
Mailing Address: 949 E MANDOLINE AVE
Mailing City/State/Zip: 48071
Mailing County: OAKLAND

28
North
1/8-1/4
0.145 mi.
766 ft.

ROSS CONTROLS
32900 N AVIS DR
MADISON HEIGHTS, MI 48071

RCRA-SQG 1000375357
FINDS MID146710256

Relative:
Lower

Actual:
630 ft.

RCRA-SQG:

Date form received by agency: 08/06/2013
Facility name: ROSS CONTROLS
Facility address: 32900 N AVIS DR
MADISON HEIGHTS, MI 48071
EPA ID: MID146710256
Contact: KAREN HARVEY
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (248) 397-1962
Contact email: KAREN.HARVEY@ROSSCONTROLS.COM
EPA Region: 05
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROSS CONTROLS (Continued)

1000375357

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: ROSS CONTROLS
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/01/2010
Owner/Op end date: Not reported

Owner/operator name: ROSS CONTROLS
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/01/2010
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 05/10/2010
Facility name: ROSS CONTROLS
Classification: Small Quantity Generator

Date form received by agency: 04/22/2009
Facility name: ROSS CONTROLS
Classification: Small Quantity Generator

Date form received by agency: 02/10/2009
Facility name: ROSS CONTROLS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/24/2006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROSS CONTROLS (Continued)

1000375357

Facility name: ROSS CONTROLS
Classification: Small Quantity Generator

Date form received by agency: 03/18/2005
Facility name: ROSS CONTROLS
Classification: Small Quantity Generator

Date form received by agency: 09/09/2004
Facility name: ROSS CONTROLS
Classification: Small Quantity Generator

Date form received by agency: 04/14/2003
Facility name: ROSS CONTROLS
Classification: Small Quantity Generator

Date form received by agency: 04/28/1987
Facility name: ROSS CONTROLS
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Listing - General
Date violation determined: 02/10/2009
Date achieved compliance: 04/06/2009
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/19/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 02/10/2009
Date achieved compliance: 04/06/2009
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/19/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROSS CONTROLS (Continued)

1000375357

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 02/10/2009
Date achieved compliance: 04/06/2009
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/19/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/23/1994
Date achieved compliance: 05/17/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/23/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 03/23/1994
Date achieved compliance: 05/17/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/23/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 02/10/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Listing - General
Date achieved compliance: 04/06/2009
Evaluation lead agency: State

Evaluation date: 02/10/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 04/06/2009
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROSS CONTROLS (Continued)

1000375357

Evaluation date: 02/10/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 04/06/2009
Evaluation lead agency: State

Evaluation date: 03/22/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/17/1994
Evaluation lead agency: State

Evaluation date: 03/22/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 05/17/1994
Evaluation lead agency: State

FINDS:

Registry ID: 110003613518

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

H29
NW
1/8-1/4
0.150 mi.
790 ft.

BOHLER BROS OF AMERICA
900 E MANDOLINE AVE
MADISON HEIGHTS, MI

RCRA NonGen / NLR 1000828348
FINDS MID985654151

Site 2 of 3 in cluster H

Relative:
Higher

RCRA NonGen / NLR:

Date form received by agency: 09/17/1998
Facility name: BOHLER BROS OF AMERICA
Facility address: 900 E MANDOLINE AVE
MADISON HEIGHTS, MI 48071
EPA ID: MID985654151
Contact: FAME WAITE
Contact address: 900 E MANDOLINE AVE
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (313) 583-9794
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
632 ft.

Owner/Operator Summary:

Owner/operator name: HEITMAN PROPERTIES
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOHLER BROS OF AMERICA (Continued)

1000828348

Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: HEITMAN PROPERTIES
Owner/operator address: Not reported

Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 11/17/1992
Facility name: BOHLER BROS OF AMERICA
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003677030

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOHLER BROS OF AMERICA (Continued)

1000828348

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**F30
SSW
1/8-1/4
0.150 ml.
792 ft.**

**ON SITE SPECIALISTS INC
32059 MILTON AVE
MADISON HEIGHTS, MI 48071**

**RCRA-CESQG 1007098175
MIK472788686**

Site 2 of 2 in cluster F

**Relative:
Higher**

RCRA-CESQG:

Date form received by agency: 06/17/2002

Facility name: ON SITE SPECIALISTS INC

Facility address: 32059 MILTON AVE
MADISON HEIGHTS, MI 48071

EPA ID: MIK472788686

Contact: BILL ADAMS

Contact address: 32059 MILTON AVE
MADISON HEIGHTS, MI 48071

Contact country: US

Contact telephone: (248) 585-4677

Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: CHARLES H HAMBRECHT

Owner/operator address: Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/1997

Owner/Op end date: Not reported

Owner/operator name: CHARLES H HAMBRECHT

Owner/operator address: Not reported

Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ON SITE SPECIALISTS INC (Continued)

1007098175

Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1997
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

I31
SE
1/8-1/4
0.151 mi.
795 ft.

ADT SYSTEMS INC
1400 E AVIS DR
MADISON HEIGHTS, MI

RCRA NonGen / NLR 1000119645
FINDS MID046046447

Site 1 of 2 in cluster I

Relative:
Lower

RCRA NonGen / NLR:

Date form received by agency: 01/12/1990

Actual:
630 ft.

Facility name: ADT SYSTEMS INC
Facility address: 1400 E AVIS DR
MADISON HEIGHTS, MI 48071
EPA ID: MID046046447
Contact: SCOTT STEELE
Contact address: 1400 E AVIS DR
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (248) 583-2400
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADT SYSTEMS INC (Continued)

1000119645

Owner/Operator Summary:

Owner/operator name: KEMP AND COMPANY INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/02/1998
Owner/Op end date: Not reported

Owner/operator name: KEMP AND COMPANY INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/02/1998
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110009597524

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADT SYSTEMS INC (Continued)

1000119645

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

H32
NW
1/8-1/4
0.152 ml.
801 ft.

ARDYNE INC
899 E MANDOLINE AVE
MADISON HEIGHTS, MI
Site 3 of 3 in cluster H

RCRA NonGen / NLR
FINDS
1000441812
MID982068710

Relative:
Higher

Actual:
632 ft.

RCRA NonGen / NLR:

Date form received by agency: 09/17/1998
Facility name: ARDYNE INC
Facility address: 899 E MANDOLINE AVE
MADISON HEIGHTS, MI 48071
EPA ID: MID982068710
Contact: GERALD DAVIS
Contact address: 899 E MANDOLINE AVE
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (313) 585-4414
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: SHELL OIL CO
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: NAME NOT REPORTED
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARDYNE INC (Continued)

1000441812

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/24/1987
Facility name: ARDYNE INC
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003627148

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

E33
West
1/8-1/4
0.162 mi.
857 ft.

CROWN SYSTEMS CO
32375 HOWARD AVE
MADISON HEIGHTS, MI

Site 10 of 10 in cluster E

RCRA NonGen / NLR **1000437723**
FINDS **MID029884418**

Relative:
Higher

RCRA NonGen / NLR:
Date form received by agency: 01/10/1983
Facility name: CROWN SYSTEMS CO
Facility address: 32375 HOWARD AVE
MADISON HEIGHTS, MI 48071
EPA ID: MID029884418
Contact: BERT HILLIER
Contact address: 32375 HOWARD AVE
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (313) 589-3400

Actual:
632 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN SYSTEMS CO (Continued)

1000437723

Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/03/1970
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/03/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN SYSTEMS CO (Continued)

1000437723

Registry ID: 110003592158

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**J34
NW
1/8-1/4
0.163 mi.
863 ft.**

**PARRY PRECISION INC
845 E MANDOLINE AVE
MADISON HEIGHTS, MI**

**RCRA-CESQG 1016168958
FINDS MIK124159404**

Site 1 of 2 in cluster J

**Relative:
Higher**

RCRA-CESQG:

Date form received by agency: 08/28/2013

Facility name: PARRY PRECISION INC

Facility address: 845 E MANDOLINE AVE
MADISON HEIGHTS, MI 48071

EPA ID: MIK124159404

Contact: MIKE E PARRY

Contact address: Not reported

Contact country: Not reported

Contact telephone: (248) 585-1234

Contact email: PPRECISION@SBCGLOBAL.NET

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: PARRY PRECISION INC

Owner/operator address: Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 05/01/2006

Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARRY PRECISION INC (Continued)

1016168958

Owner/operator name: PARRY PRECISION INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/01/2006
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110055929786

Environmental Interest/Information System

K35
WSW
1/8-1/4
0.171 mi.
903 ft.

EXCEL CIRCUITS CO INC
32096 HOWARD AVE
MADISON HEIGHTS, MI 48071

RCRA NonGen / NLR 1000203395
FINDS MID057933376

Site 1 of 5 in cluster K

Relative:
Higher

RCRA NonGen / NLR:
Date form received by agency: 04/15/1999
Facility name: EXCEL CIRCUITS CO INC
Facility address: 32096 HOWARD AVE
MADISON HEIGHTS, MI 48071
EPA ID: MID057933376

Actual:
632 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXCEL CIRCUITS CO INC (Continued)

1000203395

Contact: LOUIS ZOGONE
Contact address: 32096 HOWARD AVE
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (313) 588-5100
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NEWTON J HAROLD
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: NEWTON J HAROLD
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/11/1988
Facility name: EXCEL CIRCUITS CO INC
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

CDR ID Number
EPA ID Number

EXCEL CIRCUITS CO INC (Continued)

1000203395

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003599142

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

J36
NW
1/8-1/4
0.174 ml.
917 ft.

INCOE CORPORATION
800 MANDOLINE AVE
MADISON HEIGHTS, MI

RCRA NonGen / NLR 1016142375
FINDS MIK870973075

Site 2 of 2 in cluster J

Relative:
Higher

Actual:
632 ft.

RCRA NonGen / NLR:

Date form received by agency: 01/29/2013
Facility name: INCOE CORPORATION
Facility address: 800 MANDOLINE AVE
MADISON HEIGHTS, MI 48071
EPA ID: MIK870973075
Mailing address: 1740 E MAPLE RD
TROY, MI 48083
Contact: KURT A CURTIS
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (248) 616-0220
Telephone ext.: 824
Contact email: KURT.CURTIS@INCOE.COM
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: INCOE CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/04/2013
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INCOE CORPORATION (Continued)

1016142375

Owner/operator name: INCOE CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/04/2013
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110055448653

Environmental Interest/Information System

L37
SW
1/8-1/4
0.181 ml.
958 ft.

MADISON CAMERON
859 E WHITCOMB AVE
MADISON HEIGHTS, MI
Site 1 of 3 in cluster L

RCRA NonGen / NLR 1000191026
FINDS MID985581180

Relative:
Higher

RCRA NonGen / NLR:
Date form received by agency: 09/17/1998
Facility name: MADISON CAMERON
Facility address: 859 E WHITCOMB AVE
MADISON HEIGHTS, MI 48071
EPA ID: MID985581180

Actual:
632 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MADISON CAMERON (Continued)

1000191026

Contact: FRANK DOTY
Contact address: 859 E WHITCOMB AVE
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (313) 588-0215
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: SANDVIK INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: SANDVIK INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 06/18/1990
Facility name: MADISON CAMERON
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MADISON CAMERON (Continued)

1000191026

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003641373

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**K38
SW
1/8-1/4
0.190 mi.
1001 ft.**

**INLAND DIAMOND PRODS. CO
32051 HOWARD AVE
MADISON HEIGHTS, MI 48071**

**MI UST U003325188
N/A**

Site 2 of 5 in cluster K

**Relative:
Higher**

UST:

**Actual:
632 ft.**

Facility ID: 00033497
Facility Type: CLOSED
Owner Name: INLAND DIAMOND PRODUCTS CO
Owner Address: 32051 HOWARD AVE
Owner City,St,Zip: MADISON HEIGHTS, MI 48071-1430
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 585-2330
Contact: CAROL BRITTON
Contact Phone: (734) 585-2330
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.52766
Longitude: -83.09968

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Product: Gasoline
Install Date: 11/02/1975
Remove Date: 11/02/1989
Tank Release Detection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INLAND DIAMOND PRODS. CO (Continued)

U003325188

Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

K39 INLAND DIAMOND PRODUCTS
SW 32051 HOWARD AVE
1/8-1/4 MADISON HEIGHTS, MI 48071
0.190 mi.
1001 ft. Site 3 of 5 in cluster K

RCRA-CESQG 1000530041
FINDS MID985625326

Relative:
Higher

Actual:
632 ft.

RCRA-CESQG:
Date form received by agency: 08/28/2002
Facility name: INLAND DIAMOND PRODUCTS
Facility address: 32051 HOWARD AVE
MADISON HEIGHTS, MI 48071
EPA ID: MID985625326
Contact: MICHAEL BOON
Contact address: 32051 HOWARD AVE
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (248) 585-2330
Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: RONALD C WIAND
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/21/1991
Owner/Op end date: Not reported

Owner/operator name: RONALD C WIAND
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INLAND DIAMOND PRODUCTS (Continued)

1000530041

Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/21/1991
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 10/21/1991
Facility name: INLAND DIAMOND PRODUCTS
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/15/2004
Date achieved compliance: 06/18/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/26/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 04/15/2004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INLAND DIAMOND PRODUCTS (Continued)

1000530041

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/18/2004
Evaluation lead agency: State

FINDS:

Registry ID: 110003664419

Environmental Interest/Information System

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I40
SE
1/8-1/4
0.190 mi.
1003 ft.

LIONBRIDGE TECHNOLOGIES INC
1521 E AVIS DR
MADISON HEIGHTS, MI 48071

RCRA NonGen / NLR 1014392235
MIK549111748

Site 2 of 2 in cluster I

Relative:
Lower

RCRA NonGen / NLR:

Actual:
630 ft.

Date form received by agency: 05/23/2012
Facility name: LIONBRIDGE TECHNOLOGIES INC
Facility address: 1521 E AVIS DR
MADISON HEIGHTS, MI 48071
EPA ID: MIK549111748
Contact: JOHN NALL
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (248) 974-6145
Telephone ext.: 117
Contact email: JOHN.NALL@LIONBRIDGE.COM
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: LIONBRIDGE TECHNOLOGIES INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/01/2010
Owner/Op end date: Not reported

Owner/operator name: JOHN NALL
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LIONBRIDGE TECHNOLOGIES INC (Continued)

1014392235

Owner/Operator Type: Operator
Owner/Op start date: 05/01/2010
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/13/2010
Facility name: LIONBRIDGE TECHNOLOGIES INC
Site name: TPI TECHNOLOGIES INC
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

L41
SW
1/8-1/4
0.191 mi.
1007 ft.

CODE ALARM
950 E WHITCOMB AVE
MADISON HEIGHTS, MI
Site 2 of 3 in cluster L

RCRA NonGen / NLR 1000195213
FINDS MID982638967

Relative:
Higher

Actual:
633 ft.

RCRA NonGen / NLR:
Date form received by agency: 11/16/2002
Facility name: CODE ALARM
Facility address: 950 E WHITCOMB AVE
MADISON HEIGHTS, MI 48071
EPA ID: MID982638967
Mailing address: 525 MINNESOTA DR
TROY, MI 48083
Contact: BRIAN SCHOENROCK
Contact address: 950 E WHITCOMB AVE
MADISON HEIGHTS, MI 48071
Contact country: US

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CODE ALARM (Continued)

1000195213

Contact telephone: (313) 583-9620
Contact email: Not reported
EPA Region: 05
Land type: Other land type
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/16/2002
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/16/2002
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 07/25/1989
Facility name: CODE ALARM
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CODE ALARM (Continued)

1000195213

FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/10/1994
Date achieved compliance: 08/29/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/10/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 08/04/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/29/1994
Evaluation lead agency: State

FINDS:

Registry ID: 110003633346

Environmental Interest/Information System

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K42
SW
1/8-1/4
0.193 mi.
1020 ft.

MID WESTERN PROCESSES INC
32043 HOWARD AVE
MADISON HEIGHTS, MI 48071

RCRA NonGen / NLR 1007098084
MIK457434413

Site 4 of 5 in cluster K

Relative:
Higher

RCRA NonGen / NLR:
Date form received by agency: 09/27/2002
Facility name: MID WESTERN PROCESSES INC
Facility address: 32043 HOWARD AVE
MADISON HEIGHTS, MI 48071
EPA ID: MIK457434413
Contact: MICHAEL MORIN
Contact address: 32043 HOWARD AVE
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (248) 588-6500

Actual:
632 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MID WESTERN PROCESSES INC (Continued)

1007098084

Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/28/2002
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/28/2002
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/04/2002
Facility name: MID WESTERN PROCESSES INC
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MID WESTERN PROCESSES INC (Continued)

1007098084

MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

M43

SE

1/8-1/4

0.193 mi.

1021 ft.

**1500 E AVIS DR
MADISON HEIGHTS, MI 48071**

Site 1 of 4 in cluster M

**EDR US Hist Auto Stat 1015237477
N/A**

**Relative:
Lower**

EDR Historical Auto Stations:

Name: SUNDSTRAND HYDRO TRANSMISSION

Year: 1999

**Actual:
630 ft.**

Address: 1500 E AVIS DR

M44

SE

1/8-1/4

0.195 mi.

1027 ft.

**ENERGY PRODUCTS INC
1500 E AVIS DR
MADISON HEIGHTS, MI**

Site 2 of 4 in cluster M

**RCRA NonGen / NLR 1000430492
FINDS MID006957997**

**Relative:
Lower**

RCRA NonGen / NLR:

Date form received by agency: 12/09/2004

Facility name: ENERGY PRODUCTS INC

**Facility address: 1500 E AVIS DR
MADISON HEIGHTS, MI 48071**

EPA ID: MID006957997

Contact: KURT SMITH

**Contact address: 1500 E AVIS DR
MADISON HEIGHTS, MI 48071**

Contact country: US

Contact telephone: (248) 585-1600

Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: ENERGY PRODUCTS INC

**Owner/operator address: Not reported
Not reported**

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 12/09/2004

Owner/Op end date: Not reported

Owner/operator name: ENERGY PRODUCTS INC

**Owner/operator address: Not reported
Not reported**

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 12/09/2004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENERGY PRODUCTS INC (Continued)

1000430492

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Yes

Historical Generators:

Date form received by agency: 11/02/1998
Facility name: ENERGY PRODUCTS INC
Classification: Not a generator, verified

Date form received by agency: 07/20/1987
Facility name: ENERGY PRODUCTS INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110032749122

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L45
SSW
1/8-1/4
0.195 mi.
1028 ft.

NILFISK-ADVANCE INC
1000 E WHITCOMB AVE
MADISON HEIGHTS, MI

RCRA NonGen / NLR
FINDS
1016142084
MIK101724484

Site 3 of 3 in cluster L

Relative:
Higher

RCRA NonGen / NLR:

Actual:
632 ft.

Date form received by agency: 05/31/2013
Facility name: NILFISK-ADVANCE INC
Facility address: 1000 E WHITCOMB AVE
MADISON HEIGHTS, MI 48071
EPA ID: MIK101724484
Contact: MATT M MOORE
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (248) 556-4151
Telephone ext.: 102
Contact email: MATT.MOORE@NILFISK-ADVANCE.COM
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NILFISK-ADVANCE INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/18/2013
Owner/Op end date: Not reported

Owner/operator name: NILFISK-ADVANCE INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/18/2013
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NILFISK-ADVANCE INC (Continued)

1016142084

Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110055447930

Environmental Interest/Information System

**K46
WSW
1/8-1/4
0.198 mi.
1045 ft.**

**VOLKSWAGEN OF AMER CORP SERV
32031 HOWARD AVE
MADISON HEIGHTS, MI 48071**

**MI UST U003833063
N/A**

Site 5 of 5 in cluster K

**Relative:
Higher**

UST:

**Actual:
632 ft.**

Facility ID: 00011556
Facility Type: ACTIVE
Owner Name: NALCO REAL ESTATE CORP
Owner Address: 24595 GROESBECK HWY
Owner City,St,Zip: WARREN, MI 48089-2145
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 585-5586
Contact: HANS LIEBAU
Contact Phone: (734) 585-5586
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.52754
Longitude: -83.09968

Tank ID: H1-C
Tank Status: **Currently In Use**
Capacity: 38
Product: HYDRAULIC
Install Date: 05/03/1983
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VOLKSWAGEN OF AMER CORP SERV (Continued)

U003833063

Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: H1-T
Tank Status: Currently In Use
Capacity: 44
Product: HYDRAULIC
Install Date: 05/03/1983
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: H2-C
Tank Status: Currently In Use
Capacity: 38
Product: HYDRAULIC
Install Date: 05/03/1983
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: H2-T
Tank Status: Currently In Use
Capacity: 44
Product: HYDRAULIC
Install Date: 05/03/1983
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: H3-C
Tank Status: Currently In Use
Capacity: 38
Product: HYDRAULIC
Install Date: 05/03/1983
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VOLKSWAGEN OF AMER CORP SERV (Continued)

U003833063

Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: H3-T
Tank Status: **Currently In Use**
Capacity: 44
Product: HYDRAULIC
Install Date: 05/03/1983
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

N47
SSW
1/8-1/4
0.199 mi.
1050 ft.

KONICA BUSINESS TECHNOLOGIES USA INC
1101 E WHITCOMB AVE
MADISON HEIGHTS, MI

Site 1 of 3 in cluster N

RCRA NonGen / NLR **1000246601**
FINDS **MID985575471**

Relative:
Higher

Actual:
631 ft.

RCRA NonGen / NLR:
Date form received by agency: 11/04/2003
Facility name: KONICA BUSINESS TECHNOLOGIES USA INC
Facility address: 1101 E WHITCOMB AVE
MADISON HEIGHTS, MI 48071
EPA ID: MID985575471
Mailing address: 500 DAY NILL RD
WINDSOR, CT 06095
Contact: W DAVIS
Contact address: 1101 E WHITCOMB AVE
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (205) 683-2222
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/05/2003
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KONICA BUSINESS TECHNOLOGIES USA INC (Continued)

1000246601

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/05/2003
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/13/1990
Facility name: KONICA BUSINESS TECHNOLOGIES USA INC
Classification: Small Quantity Generator

Date form received by agency: 01/01/1980
Facility name: KONICA BUSINESS TECHNOLOGIES USA INC
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003637574

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

O48 CHARRETTE CORP MIDWEST DIST CTR
WNW 719 E MANDOLINE AVE
1/8-1/4 MADISON HEIGHTS, MI
0.202 mi.
1064 ft. Site 1 of 2 in cluster O

RCRA NonGen / NLR 1001232515
FINDS MIR000020305

Relative:
Higher

RCRA NonGen / NLR:

Actual:
632 ft.

Date form received by agency: 09/17/1998
Facility name: CHARRETTE CORP MIDWEST DIST CTR
Facility address: 719 E MANDOLINE AVE
MADISON HEIGHTS, MI 48071
EPA ID: MIR000020305
Contact: LOUIS SPECCI II
Contact address: 719 E MANDOLINE AVE
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (800) 367-3729
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: VALKEN GERALD
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: VALKEN GERALD
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHARRETTE CORP MIDWEST DIST CTR (Continued)

1001232515

Used oil transporter: No

Historical Generators:

Date form received by agency: 12/02/1996

Facility name: CHARRETTE CORP MIDWEST DIST CTR

Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003698909

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**N49
SSW
1/8-1/4
0.205 mi.
1080 ft.**

**TRUTRON
1100 E WHITCOMB AVE
MADISON HEIGHTS, MI**

**RCRA NonGen / NLR 1000420192
FINDS MID044257319**

Site 2 of 3 in cluster N

**Relative:
Higher**

RCRA NonGen / NLR:

Date form received by agency: 04/28/2009

Facility name: TRUTRON

Facility address: 1100 E WHITCOMB AVE
MADISON HEIGHTS, MI 48071

EPA ID: MID044257319

Contact: TIM GRISWOLD

Contact address: 1100 E WHITCOMB AVE
MADISON HEIGHTS, MI 48071

Contact country: US

Contact telephone: (313) 583-9166

Contact email: Not reported

EPA Region: 05

Land type: Other land type

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRUTRON (Continued)

1000420192

Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/18/2009
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/18/2009
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/17/1998
Facility name: TRUTRON
Classification: Not a generator, verified

Date form received by agency: 04/07/1989
Facility name: TRUTRON
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRUTRON (Continued)

1000420192

Evaluation Action Summary:

Evaluation date: 04/17/2009
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003593898

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

M50
ESE
1/8-1/4
0.205 mi.
1080 ft.

AROBOTECH SYSTEMS INC
1524 E AVIS DR
MADISON HEIGHTS, MI
Site 3 of 4 in cluster M

RCRA-CESQG 1004724794
FINDS MIR000013615

Relative:
Lower

RCRA-CESQG:

Actual:
629 ft.

Date form received by agency: 03/12/1996
Facility name: AROBOTECH SYSTEMS INC
Facility address: 1524 E AVIS DR
MADISON HEIGHTS, MI 48071
EPA ID: MIR000013615
Contact: JACK CONNER
Contact address: 1524 E AVIS DR
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (248) 588-9080
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: CD PROPERTIES (PROPERTY OWNER)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AROBOTECH SYSTEMS INC (Continued)

1004724794

Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: LESSWAY RICHARD (BUSINESS OWNER)
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: LESSWAY RICHARD (BUSINESS OWNER)
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: CD PROPERTIES (PROPERTY OWNER)
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AROBOTECH SYSTEMS INC (Continued)

1004724794

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003694789

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**M51
ESE
1/8-1/4
0.205 mi.
1080 ft.**

**1524 E AVIS DR
MADISON HEIGHTS, MI 48071**

**EDR US Hist Auto Stat 1015243125
N/A**

Site 4 of 4 in cluster M

**Relative:
Lower**

EDR Historical Auto Stations:

Name: AUTO REST IC DISC CORP

Year: 2008

**Actual:
629 ft.**

Address: 1524 E AVIS DR

Name: AUTO REST IC DISC CORP

Year: 2009

Address: 1524 E AVIS DR

**52
NNW
1/8-1/4
0.205 mi.
1085 ft.**

**SENNETT STEEL CORPORATION (FORMER)
1200 FOURTEEN MILE ROAD
MADISON HEIGHTS, MI**

**MI BEA S106425703
N/A**

**Relative:
Higher**

BEA:

Secondary Address: Not reported

BEA Number: 2398

District: Southeast MI

Date Received: 05/19/2004

Submitter Name: Nicolay Family Real Estate Holdings, LLC

Petition Determination: Affirmed

Petition Disclosure: 1

Category: Different Hazardous Substance(s)

Determination 20107A: No Request

**Actual:
631 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SENNETT STEEL CORPORATION (FORMER) (Continued)

S106425703

Reviewer: mathewsb
Division Assigned: Environmental Response Division

N53
South
1/8-1/4
0.209 mi.
1101 ft.

EH1 ELICON
1155 E WHITCOMB AVE
MADISON HEIGHTS, MI

RCRA NonGen / NLR
FINDS
1000451595
MID985586544

Site 3 of 3 in cluster N

Relative:
Higher

RCRA NonGen / NLR:

Actual:
631 ft.

Date form received by agency: 11/02/1998
Facility name: EH1 ELICON
Facility address: 1155 E WHITCOMB AVE
MADISON HEIGHTS, MI 48071
EPA ID: MID985586544
Contact: RUSSELL RANA
Contact address: 1155 E WHITCOMB AVE
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (313) 583-2710
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/03/1998
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/03/1998
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EH1 ELICON (Continued)

1000451595

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/17/1990
Facility name: EH1 ELICON
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003644977

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

P54
East
1/8-1/4
0.221 mi.
1167 ft.

PARISH PUBLICATIONS LLC
32401 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071

RCRA NonGen / NLR **1001817514**
FINDS **MIR000042010**

Site 1 of 12 in cluster P

Relative:
Lower

RCRA NonGen / NLR:

Date form received by agency: 10/26/2003
Facility name: PARISH PUBLICATIONS LLC
Facility address: 32401 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071
EPA ID: MIR000042010
Contact: KEN DRANCER
Contact address: 32401 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071

Actual:
627 ft.

Contact country: US
Contact telephone: (586) 997-4241
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARISH PUBLICATIONS LLC (Continued)

1001817514

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/27/2003
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/27/2003
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 06/17/2003
Facility name: PARISH PUBLICATIONS LLC
Classification: Small Quantity Generator

Date form received by agency: 04/11/2001
Facility name: PARISH PUBLICATIONS LLC
Classification: Small Quantity Generator

Date form received by agency: 09/15/1999
Facility name: PARISH PUBLICATIONS LLC
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARISH PUBLICATIONS LLC (Continued)

1001817514

CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003711715

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

P55
East
1/8-1/4
0.221 mi.
1169 ft.

EG AND G STRUCTURAL KINEMATICS
32429 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071

MI SHWS S105144555
MI WDS N/A

Site 2 of 12 in cluster P

Relative:
Lower

SHWS:

Facility ID: 63000889
Facility Status: Interim Response in progress
Source: Testing Laboratories
SAM Score: 30
SAM Score Date: 08/26/1993
Township: 01N
Range: 11E
Section: 1
Quarter: NE
Quarter/Quarter: SW
Pollutants: Carbon Tet; Xylenes

Actual:
627 ft.

WDS:

Site Id: MIT270012115
WMD Id: 414548
Site Specific Name: EG AND G STRUCTURAL KINEMATICS
Mailing Address: 950 MAPLELAWN
Mailing City/State/Zip: 48084
Mailing County: OAKLAND

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

P56
East
1/8-1/4
0.221 mi.
1169 ft.

EG AND G STRUCTURAL KINEMATICS
32429 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071

RCRA NonGen / NLR
FINDS 1000774481
MIT270012115

Site 3 of 12 in cluster P

Relative:
Lower

RCRA NonGen / NLR:

Date form received by agency: 11/02/1998

Facility name: EG AND G STRUCTURAL KINEMATICS

Facility address: 32429 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071

EPA ID: MIT270012115

Mailing address: 950 MAPLELAWN

TROY, MI 48084

Contact: DARRIEL SMITH

Contact address: 32429 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071

Contact country: US

Contact telephone: (810) 643-4622

Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: STEVEN SINGER MIT270012115

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 04/01/1993

Owner/Op end date: Not reported

Owner/operator name: STEVEN SINGER MIT270012115

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 04/01/1993

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

Used oil refiner: No

Used oil fuel marketer to burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EG AND G STRUCTURAL KINEMATICS (Continued)

1000774481

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 11/14/1980
Facility name: EG AND G STRUCTURAL KINEMATICS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/01/1980
Facility name: EG AND G STRUCTURAL KINEMATICS
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003718647

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

P57
East
1/8-1/4
0.222 mi.
1173 ft.
Site 4 of 12 in cluster P

Relative:
Lower

Actual:
628 ft.

EASOM AUTOMATION SYSTEM
32471 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071

Site 4 of 12 in cluster P

RCRA-CESQG:
Date form received by agency: 04/09/2013
Facility name: EASOM AUTOMATION SYSTEM
Facility address: 32471 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071
EPA ID: MIR000008961
Contact: DALE HAYNES
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (248) 307-0650
Contact email: DHAYNES@EASOMENG.COM
EPA Region: 05

RCRA-CESQG **1001077928**
FINDS **MIR000008961**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EASOM AUTOMATION SYSTEM (Continued)

1001077928

Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/18/2006
Owner/Op end date: Not reported

Owner/operator name: GARY STAVE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/07/2006
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/18/2006
Owner/Op end date: Not reported

Owner/operator name: GARY STAVE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/07/2006
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EASOM AUTOMATION SYSTEM (Continued)

1001077928

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 08/17/2006
Facility name: EASOM AUTOMATION SYSTEM
Site name: BROTHERS IND INC
Classification: Not a generator, verified

Date form received by agency: 09/17/1998
Facility name: EASOM AUTOMATION SYSTEM
Site name: BROTHERS IND INC
Classification: Not a generator, verified

Date form received by agency: 10/17/1995
Facility name: EASOM AUTOMATION SYSTEM
Site name: BROTHERS IND INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EASOM AUTOMATION SYSTEM (Continued)

1001077928

Registry ID: 110003692139

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

P58
East
1/8-1/4
0.222 mi.
1173 ft.

MCGRRAW-EDISON SERVICE
32471 INDUSTRIAL BLVD
MADISON HEIGHTS, MI 48071

CERC-NFRAP **1003871271**
MID980609432

Site 5 of 12 in cluster P

Relative:
Lower

CERC-NFRAP:

Site ID: 0502881
Federal Facility: Not a Federal Facility

Actual:
628 ft.

NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: MCGRRAW-EDISON SERV
Alias Address: 32471 INDUSTRIAL BLVD
MADISON HEIGHTS, MI 48071

Program Priority:

Description: Great Lakes

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: / /
Date Completed: 06/01/81
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 08/26/87
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 08/26/87
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

59
ENE
1/8-1/4
0.222 mi.
1173 ft.

POWERTRAIN INTEGRATION
32505 INDUSTRIAL DR
MADISON HEIGHTS, MI 48116

MI AST **A100360166**
N/A

Relative:
Lower

AST:
Facility ID: 92085527
Type: AST
Facility Phone: (248) 577-0010
Owner Name: POWERTRAIN INTEGRATION
Owner Address: 32505 INDUSTRIAL DR
Owner City,St,Zip: MADISON HEIGHTS, MI 48116
Owner County: USA
Owner Contact: Not reported
Owner Telephone: (810) 229-6323
District: SE Michigan District Office
Contact: Dave Freeman
Latitude: Not reported
Longitude: Not reported
Date of Collection: Not reported
Accuracy: Not reported
Horizontal Datum: Not reported

Actual:
629 ft.

P60
East
1/8-1/4
0.223 mi.
1177 ft.

DESIGN FABRICATIONS INC
32400 INDUSTRIAL DR
MADISON HEIGHTS, MI
Site 6 of 12 in cluster P

RCRA NonGen / NLR **1004725611**
FINDS **MIR000047506**

Relative:
Lower

RCRA NonGen / NLR:
Date form received by agency: 03/18/2010
Facility name: DESIGN FABRICATIONS INC
Facility address: 32400 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071
EPA ID: MIR000047506
Contact: JESSICA ROBERTS
Contact address: 32400 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (248) 814-9335
Contact email: Not reported
EPA Region: 05
Land type: Other land type
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
627 ft.

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/19/2010
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DESIGN FABRICATIONS INC (Continued)

1004725611

Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/19/2010
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/31/2010
Facility name: DESIGN FABRICATIONS INC
Classification: Not a generator, verified

Date form received by agency: 03/27/2009
Facility name: DESIGN FABRICATIONS INC
Classification: Small Quantity Generator

Date form received by agency: 01/30/2007
Facility name: DESIGN FABRICATIONS INC
Classification: Small Quantity Generator

Date form received by agency: 12/19/2001
Facility name: DESIGN FABRICATIONS INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 08/25/2000
Facility name: DESIGN FABRICATIONS INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DESIGN FABRICATIONS INC (Continued)

1004725611

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 01/17/2007
Date achieved compliance: 02/26/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/19/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 01/17/2007
Date achieved compliance: 02/26/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/19/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 01/17/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 02/26/2007
Evaluation lead agency: State

Evaluation date: 01/17/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 02/26/2007
Evaluation lead agency: State

Evaluation date: 11/20/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110042286193

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DESIGN FABRICATIONS INC (Continued)

1004725611

program staff to track the notification, permit, compliance, and
corrective action activities required under RCRA.

P61
East
1/8-1/4
0.223 mi.
1178 ft.

COMMERCIAL BUILDING
32430 INDUSTRIAL DRIVE
MADISON HEIGHTS, MI 48071

MI BEA S105768592
MI WDS N/A

Site 7 of 12 in cluster P

Relative:
Lower

BEA:

Secondary Address: Not reported
BEA Number: 1956
District: Southeast MI
Date Received: 03/05/2003
Submitter Name: Comerica Bank
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: barrowsg
Division Assigned: Environmental Response Division

Actual:
627 ft.

WDS:

Site Id: MIG000023436
WMD Id: 451351
Site Specific Name: MASTERWORKS INC
Mailing Address: 32430 INDUSTRIAL DR
Mailing City/State/Zip: 48071
Mailing County: OAKLAND

P62
East
1/8-1/4
0.223 mi.
1178 ft.

SEAMAN RV CO
32440 INDUSTRIAL DR
MADISON HEIGHTS, MI

RCRA NonGen / NLR 1000451599
FINDS MID985583954

Site 8 of 12 in cluster P

Relative:
Lower

RCRA NonGen / NLR:

Date form received by agency: 09/17/1998
Facility name: SEAMAN RV CO
Facility address: 32440 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071
EPA ID: MID985583954
Contact: JANINE CARR
Contact address: 32440 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (313) 585-7940
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
627 ft.

Owner/Operator Summary:

Owner/operator name: HAYMOND RONALD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEAMAN RV CO (Continued)

1000451599

Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: HAYMOND RONALD
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 08/02/1990
Facility name: SEAMAN RV CO
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110009392362

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SEAMAN RV CO (Continued)

1000451599

Environmental Interest/Information System

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Registry ID: 110003643246

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

P63
East
1/8-1/4
0.223 mi.
1178 ft.

ENVIRO VAC SERVICES INC
32440 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071

RCRA NonGen / NLR 1000465730
MID985603711

Site 9 of 12 in cluster P

Relative:
Lower

RCRA NonGen / NLR:

Date form received by agency: 07/28/2006

Facility name: ENVIRO VAC SERVICES INC

Facility address: 32440 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071

EPA ID: MID985603711

Contact: JANINE CARR

Contact address: 32440 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071

Contact country: US

Contact telephone: (313) 585-3629

Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
627 ft.

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 07/29/2006

Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENVIRO VAC SERVICES INC (Continued)

1000465730

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/29/2006
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 12/21/1990
Facility name: ENVIRO VAC SERVICES INC
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

P64
East
1/8-1/4
0.223 mi.
1179 ft.

TENNANT SALES AND SERVICE COMPANY
32450 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071

RCRA-CESQG 1004725197
FINDS MIR000033977

Site 10 of 12 in cluster P

Relative:
Lower

Actual:
627 ft.

RCRA-CESQG:
Date form received by agency: 08/06/1998
Facility name: TENNANT SALES AND SERVICE COMPANY
Facility address: 32450 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071
EPA ID: MIR000033977
Mailing address: 701 N LILAC DR
GOLDEN VALLEY, MN 55440
Contact: CHARLIE BRANDENBURG
Contact address: 32450 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071
Contact country: US

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TENNANT SALES AND SERVICE COMPANY (Continued)

1004725197

Contact telephone: (763) 513-1837
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: FIRST INDUSTRIAL REALTY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1901
Owner/Op end date: Not reported

Owner/operator name: FIRST INDUSTRIAL REALTY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1901
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TENNANT SALES AND SERVICE COMPANY (Continued)

1004725197

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003707052

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

P65
East
1/8-1/4
0.223 mi.
1180 ft.

BELLE TIRE DISTRIBUTORS INC
32470 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071
Site 11 of 12 in cluster P

RCRA NonGen / NLR 1008881133
FINDS MIK941479479

Relative:
Lower

RCRA NonGen / NLR:

Date form received by agency: 09/15/2008

Facility name: BELLE TIRE DISTRIBUTORS INC

Facility address: 32470 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071

EPA ID: MIK941479479

Mailing address: 1000 ENTERPRISE DR
ALLEN PARK, MI 48101

Contact: ROB WILLIAMSON

Contact address: 32470 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071

Contact country: US

Contact telephone: (248) 589-0824

Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BELLE TIRE DISTRIBUTORS INC (Continued)

1008881133

Owner/Op start date: 09/16/2008
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/16/2008
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 10/31/2005
Facility name: BELLE TIRE DISTRIBUTORS INC
Classification: Small Quantity Generator

Date form received by agency: 01/01/1980
Facility name: BELLE TIRE DISTRIBUTORS INC
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110001679274

Environmental Interest/Information System

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BELLE TIRE DISTRIBUTORS INC (Continued)

1008881133

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AFS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

P66
East
1/8-1/4
0.224 mi.
1181 ft.

KA-WOOD GEAR AND MACHINE
32500 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071

RCRA-CESQG **1001088507**
FINDS **MIR000011932**

Site 12 of 12 in cluster P

Relative:
Lower

RCRA-CESQG:

Date form received by agency: 03/19/2010

Facility name: KA-WOOD GEAR AND MACHINE

Facility address: 32500 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071

EPA ID: MIR000011932

Contact: DAVE JOSEPH

Contact address: 32500 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071

Contact country: US

Contact telephone: (248) 585-8870

Contact email: Not reported

EPA Region: 05

Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: JOSEPH KLOKA III

Owner/operator address: Not reported

Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KA-WOOD GEAR AND MACHINE (Continued)

1001088507

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/14/1994
Owner/Op end date: Not reported

Owner/operator name: JOSEPH KLOKA III
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/14/1994
Owner/Op end date: Not reported

Owner/operator name: PROPERTY OWNER: KSK ASSOCIATES
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/14/1994
Owner/Op end date: Not reported

Owner/operator name: PROPERTY OWNER: KSK ASSOCIATES
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/14/1994
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/23/2009

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KA-WOOD GEAR AND MACHINE (Continued)

1001088507

Facility name: KA-WOOD GEAR AND MACHINE
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/21/2005

Facility name: KA-WOOD GEAR AND MACHINE
Classification: Small Quantity Generator

Date form received by agency: 08/14/2002

Facility name: KA-WOOD GEAR AND MACHINE
Classification: Small Quantity Generator

Date form received by agency: 04/19/1996

Facility name: KA-WOOD GEAR AND MACHINE
Classification: Small Quantity Generator

Date form received by agency: 01/18/1996

Facility name: KA-WOOD GEAR AND MACHINE
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 08/19/2004
Date achieved compliance: 10/11/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/25/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/14/1996
Date achieved compliance: 04/29/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/14/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KA-WOOD GEAR AND MACHINE (Continued)

1001088507

Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 08/19/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 10/11/2004
Evaluation lead agency: State

Evaluation date: 03/13/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/29/1996
Evaluation lead agency: State

FINDS:

Registry ID: 110003693806

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

67
SW
1/8-1/4
0.224 mi.
1184 ft.

**900 E WHITCOMB AVE
MADISON HEIGHTS, MI 48071**

**EDR US Hist Auto Stat 1015666894
N/A**

**Relative:
Higher**

EDR Historical Auto Stations:

Name: AUTOMOTIVE SEALING SYSTEMS
Year: 2003
Address: 900 E WHITCOMB AVE

**Actual:
633 ft.**

O68
WNW
1/8-1/4
0.225 mi.
1188 ft.

**LAVALLA
650 E MANDOLINE AVE
MADISON HEIGHTS, MI
Site 2 of 2 in cluster O**

**RCRA NonGen / NLR 1000827828
FINDS MID985645605**

**Relative:
Higher**

RCRA NonGen / NLR:

Date form received by agency: 08/28/2002
Facility name: LAVALLA
Facility address: 650 E MANDOLINE AVE
MADISON HEIGHTS, MI 48071
EPA ID: MID985645605
Mailing address: 29370 JOHN R RD
MADISON HEIGHTS, MI 48071
Contact: JOHN LA VALLA
Contact address: 650 E MANDOLINE AVE
MADISON HEIGHTS, MI 48071

**Actual:
632 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAVALLA (Continued)

1000827828

Contact country: US
Contact telephone: (248) 582-0107
Contact email: Not reported
EPA Region: 05
Land type: Other land type
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2002
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2002
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 07/13/1992
Facility name: LAVALLA
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAVALLA (Continued)

1000827828

CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/30/1995
Date achieved compliance: 01/02/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/30/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 08/30/1995
Date achieved compliance: 01/02/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/30/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 08/29/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 01/02/1996
Evaluation lead agency: State

Evaluation date: 08/29/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/02/1996
Evaluation lead agency: State

FINDS:

Registry ID: 110003672936

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAVALLA (Continued)

1000827828

program staff to track the notification, permit, compliance, and
corrective action activities required under RCRA.

Q69
WSW
1/8-1/4
0.239 mi.
1263 ft.

INLAND CRAFT CORPORATION
32046 EDWARD STREET
MADISON HIGHTS, MI 48071

NY MANIFEST 1009224111
N/A

Site 1 of 2 in cluster Q

Relative:
Higher

NY MANIFEST:

Actual:
633 ft.

EPA ID: MIG000006199
Country: USA
Mailing Name: INLAND CRAFT CORPORATION
Mailing Contact: DONALD HIRST
Mailing Address: 32046 EDWARD STREET
Mailing Address 2: Not reported
Mailing City: MADISON HIGHTS
Mailing State: MI
Mailing Zip: 48071
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 313-583-7150

Document ID: NYB2447055
Manifest Status: Completed copy
Trans1 State ID: 80346VNY
Trans2 State ID: Not reported
Generator Ship Date: 910919
Trans1 Recv Date: 910919
Trans2 Recv Date: Not reported
TSD Site Recv Date: 910920
Part A Recv Date: 910930
Part B Recv Date: 911003
Generator EPA ID: MIG000006199
Trans1 EPA ID: NYD982792814
Trans2 EPA ID: Not reported
TSDF ID: NYD043815703
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00160
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 008
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 91

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Q70 INLAND CRAFT PRODUCTS
WSW 32046 EDWARD AVE
1/8-1/4 MADISON HEIGHTS, MI 48071
0.239 mi.
1263 ft. Site 2 of 2 in cluster Q

RCRA NonGen / NLR 1000151739
FINDS MID106867476

Relative:
Higher

RCRA NonGen / NLR:

Actual:
633 ft.

Date form received by agency: 01/15/1993
Facility name: INLAND CRAFT PRODUCTS
Facility address: 32046 EDWARD AVE
MADISON HEIGHTS, MI 48071
EPA ID: MID106867476
Contact: JOHN MANQUEN
Contact address: 32046 EDWARD AVE
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (313) 398-7675
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/16/1993
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/16/1993
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INLAND CRAFT PRODUCTS (Continued)

1000151739

Used oil transporter: No

Historical Generators:

Date form received by agency: 08/22/1988
Facility name: INLAND CRAFT PRODUCTS
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003610815

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

R71
ENE
1/8-1/4
0.245 mi.
1293 ft.
Site 1 of 2 in cluster R

Relative:
Lower

Actual:
630 ft.

RCRA NonGen / NLR:

Date form received by agency: 04/11/2003
Facility name: FEC
Facility address: 32655 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071
EPA ID: MID985623206
Contact: RICK CLAPHAM
Contact address: 32655 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (248) 589-1444
Contact email: Not reported
EPA Region: 05
Land type: Other land type
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

RCRA NonGen / NLR **1000529843**
FINDS **MID985623206**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FEC (Continued)

1000529843

Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/12/2003
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/12/2003
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 04/10/2003
Facility name: FEC
Classification: Small Quantity Generator

Date form received by agency: 09/17/1998
Facility name: FEC
Classification: Not a generator, verified

Date form received by agency: 09/26/1991
Facility name: FEC
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FEC (Continued)

1000529843

MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/19/1994
Date achieved compliance: 05/09/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 04/13/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/09/1994
Evaluation lead agency: State

FINDS:

Registry ID: 110006411579

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

R72
ENE
1/8-1/4
0.245 mi.
1293 ft.

32655 INDUSTRIAL DR
MADISON HEIGHTS, MI 48071
Site 2 of 2 in cluster R

EDR US Hist Auto Stat 1015427540
N/A

Relative:
Lower

EDR Historical Auto Stations:

Name: SPECMO AUTO SOUND & SPEED
Year: 2003
Address: 32655 INDUSTRIAL DR

Actual:
630 ft.

Name: SPCM AUTO SOUND & SPEED OF NC
Year: 2005
Address: 32655 INDUSTRIAL DR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

73
WNW
1/8-1/4
0.246 mi.
1301 ft.

FERGUSON CO
599 E MANDOLINE AVE
MADISON HEIGHTS, MI

RCRA NonGen / NLR
FINDS

1001077866
MIR000008342

Relative:
Higher

Actual:
632 ft.

RCRA NonGen / NLR:

Date form received by agency: 12/31/2001
Facility name: FERGUSON CO
Facility address: 599 E MANDOLINE AVE
MADISON HEIGHTS, MI 48071
EPA ID: MIR000008342
Contact: BILL ZALOPANY
Contact address: 599 E MANDOLINE AVE
MADISON HEIGHTS, MI 48071
Contact country: US
Contact telephone: (810) 588-1410
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2002
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2002
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FERGUSON CO (Continued)

1001077866

Used oil transporter: No

Historical Generators:

Date form received by agency: 09/27/1995

Facility name: FERGUSON CO

Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003691684

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

74
NNW
1/4-1/2
0.273 mi.
1444 ft.

SENNETT STEEL CORP
1200 E 14 MILE RD
MADISON HEIGHTS, MI 48071

MI LUST U001777118
MI UST N/A
MI WDS

Relative:
Lower

Actual:
630 ft.

LUST:

Facility ID: 00037363
Source: STATE OF MICHIGAN
Owner Name: Sennett Steel Corp
Owner Address: 1200 E 14 Mile Rd
Owner City, St, Zip: Madison Heights, MI 48071-1440
Owner Contact: Not reported
Owner Phone: (734) 585-6040
Country: USA
District: SE Michigan District Office
Site Name: Sennett Steel Corporation
Latitude: 42.53438
Longitude: -83.09580
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SENNETT STEEL CORP (Continued)

U001777118

Desc Category: Plant Entrance (Freight)

Leak Number: C-0067-94
Release Date: 01/25/1994
Substance Released: Diesel,Gasoline
Release Status: Closed
Release Closed Date: 01/18/1995

UST:

Facility ID: 00037363
Facility Type: CLOSED
Owner Name: SENNETT STEEL CORP
Owner Address: 1200 E 14 MILE RD
Owner City,St,Zip: MADISON HEIGHTS, MI 48071-1440
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 585-6040
Contact: MR TIMOTHY DENEAU
Contact Phone: (734) 585-6040
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.53438
Longitude: -83.09580

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 2000
Product: Gasoline
Install Date: 06/01/1978
Remove Date: 01/25/1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Gravity Fed?
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 2000
Product: Diesel
Install Date: 06/01/1978
Remove Date: 01/25/1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Gravity Fed?
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SENNETT STEEL CORP (Continued)

U001777118

Tank ID: 3
Tank Status: **Removed from Ground**
Capacity: 4000
Product: Diesel
Install Date: 06/01/1978
Remove Date: 01/25/1994
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Gravity Fed?
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

WDS:

Site Id: MIG000004348
WMD Id: 419565
Site Specific Name: SENNETT STEEL CORP
Mailing Address: 1200 E 14 MILE RD
Mailing City/State/Zip: 48071
Mailing County: OAKLAND

75
WNW
1/4-1/2
0.282 mi.
1491 ft.

GENERAL MOTORS LLC
32661 EDWARD AVE
MADISON HEIGHTS, MI 48071

CORRACTS 1000368866
RCRA-CESQG MID083430348

Relative:
Higher

CORRACTS:

Actual:
633 ft.

EPA ID: MID083430348
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 19920604
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 541512
Computer Systems Design Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MID083430348
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 19920604
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
NAICS Code(s): 541512
Computer Systems Design Services
Original schedule date: Not reported
Schedule end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS LLC (Continued)

1000368866

EPA ID: MID083430348
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 19911230
Action: CA050 - RFA Completed
NAICS Code(s): 541512
Computer Systems Design Services
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-CESQG:

Date form received by agency: 05/17/2012
Facility name: GENERAL MOTORS LLC
Facility address: 32661 EDWARD AVE
MADISON HEIGHTS, MI 48071
EPA ID: MID083430348
Mailing address: 30009 VAN DYKE RD
MAIL CODE: 480-206-1E0
WARREN, MI 48090
Contact: SUE A WALDROP
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (248) 514-5289
Contact email: SUE.A.WALDROP@GM.COM
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: S A CHALLENGER INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/01/2010
Owner/Op end date: Not reported
Owner/operator name: GENERAL MOTORS LLC (NETWORK ENGINEERING)
Owner/operator address: Not reported
Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS LLC (Continued)

1000368866

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/10/2009
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 11/17/1980
Facility name: GENERAL MOTORS LLC
Site name: SPERRY VICKERS
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Facility name: GENERAL MOTORS LLC
Site name: SPERRY VICKERS
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Corrective Action Summary:

Event date: 12/30/1991
Event: RFA Completed

Event date: 06/04/1992
Event: Stabilization Measures Evaluation, This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS LLC (Continued)

1000368866

risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event date: 06/04/1992
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Violation Status: No violations found

76
NNE
1/4-1/2
0.306 mi.
1615 ft.

CAMPBELL CORNERS
1401 EAST 14 MILE ROAD
MADISON HEIGHTS, MI 48083

MI BEA S105541992
N/A

Relative:
Lower

Actual:
630 ft.

BEA:
Secondary Address: Not reported
BEA Number: 1727
District: Southeast MI
Date Received: 06/28/2002
Submitter Name: Campbell & 14 Center, LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: mathewsb
Division Assigned: Environmental Response Division

77
East
1/4-1/2
0.341 mi.
1802 ft.

DEQUINDRE ROAD INDUSTRIAL PROPERTY
32501 DEQUINDRE ROAD
MADISON HEIGHTS, MI 48071

MI BEA S111140650
MI WDS N/A

Relative:
Lower

Actual:
629 ft.

BEA:
Secondary Address: Not reported
BEA Number: 5265
District: Southeast MI
Date Received: 08/23/2012
Submitter Name: NCMJ, LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: berakr
Division Assigned: RD

WDS:
Site Id: MID982062614
WMD Id: 400664
Site Specific Name: VALLEY AUTOMOTIVE
Mailing Address: 32501 DEQUINDRE RD
Mailing City/State/Zip: 48071
Mailing County: OAKLAND

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

78
NE
1/4-1/2
0.359 mi.
1894 ft.

EPOXI-TECH
1604 14 MILE ROAD
MADISON HEIGHTS, MI

US BROWNFIELDS
FINDS

1016355129
N/A

Relative:
Lower

Actual:
630 ft.

US BROWNFIELDS:

Recipient name: Oakland County
Grant type: Assessment
Property name: EPOXI-TECH
Property #: Not reported
Parcel size: 1.9
Property Description: Not reported
Latitude: 42.533872
Longitude: -83.090442
HCM label: Not reported
Map scale: Not reported
Point of reference: Entrance Point of a Facility or Station
Datum: Not reported
ACRES property ID: 111601
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 2400
Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding: Not reported
Redev. funding source: Not reported
Redev. funding entity name: Not reported
Redevelopment start date: Not reported
Assessment funding entity: Not reported
Cleanup funding entity: Not reported
Grant type: H
Accomplishment type: Phase I Environmental Assessment
Accomplishment count: 1
Cooperative agreement #: 00E92301
Ownership entity: Private
Current owner: Not reported
Did owner change: Y
Cleanup required: No
Video available: No
Photo available: Yes
Institutional controls required: N
IC Category proprietary controls: Not reported
IC cat. info. devices: Not reported
IC cat. gov. controls: Not reported
IC cat. enforcement permit tools: Not reported
IC in place date: Not reported
IC in place: Not reported
State/tribal program date: Not reported
State/tribal program ID: Not reported
State/tribal NFA date: Not reported
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Not reported
Asbestos cleaned: Not reported
Controlled substance found: Not reported
Controlled substance cleaned: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPOXI-TECH (Continued)

1016355129

Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Y
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
Unknown found:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y

FINDS:

Registry ID: 110041261176

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)
is an federal online database for Brownfields Grantees to
electronically submit data directly to EPA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

79 JARCO INVESTMENTS, LLC
NE 1700 EAST FOURTEEN MILE ROAD
1/4-1/2 MADISON HEIGHTS, MI 48071
0.360 mi.
1902 ft.

MI BEA S110748338
N/A

Relative: BEA:
Lower
Secondary Address: Not reported
BEA Number: 4694
Actual: District: Southeast MI
630 ft. Date Received: 02/03/2011
Submitter Name: Jarco Investments, LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: ndukwee
Division Assigned: RRD

S80 COMERICA BANK
North 143 INDUSCO CT
1/4-1/2 TROY, MI 48083
0.366 mi.
1932 ft. Site 1 of 2 in cluster S

MI BEA S104911853
MI WDS N/A

Relative: BEA:
Lower
Secondary Address: Not reported
BEA Number: 4880
Actual: District: Southeast MI
630 ft. Date Received: 08/16/2011
Submitter Name: Nothins Easy LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: ndukwee
Division Assigned: RRD

Secondary Address: Not reported
BEA Number: 4882
District: Southeast MI
Date Received: 08/16/2011
Submitter Name: JB Products, Inc.
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: ndukwee
Division Assigned: RRD

Secondary Address: Not reported
BEA Number: 671
District: Southeast MI
Date Received: 07/17/1998
Submitter Name: SHOWS & SHOOT, LTD.
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Same Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: mathewsb

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COMERICA BANK (Continued)

S104911853

Division Assigned: Environmental Response Division

Secondary Address: Not reported
BEA Number: 664
District: Southeast MI
Date Received: 07/06/1998
Submitter Name: SHO' MONEY DEVELOPMENT, LLC
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Same Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: tempm
Division Assigned: Environmental Response Division

Secondary Address: (Industrial Property)
BEA Number: 4218
District: Southeast MI
Date Received: 07/07/2009
Submitter Name: Comerica Bank
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: mathewsb
Division Assigned: RRD

WDS:

Site Id: MID064205677
WMD Id: 396752
Site Specific Name: COMERICA BANK
Mailing Address: PO BOX 75000
Mailing City/State/Zip: 48275
Mailing County: WAYNE

81
SSW
1/4-1/2
0.367 mi.
1937 ft.

**S A CHALLENGER INC
1000 TECH ROW
MADISON HEIGHTS, MI 48071**

**MI BEA S107596752
MI WDS N/A**

**Relative:
Higher**

BEA:

Secondary Address: Not reported
BEA Number: 5202
District: Southeast MI
Date Received: 06/07/2012
Submitter Name: 1000 Tech Row LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: schlaufj
Division Assigned: RD

**Actual:
632 ft.**

Secondary Address: Not reported
BEA Number: 5184
District: Southeast MI
Date Received: 05/14/2012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S A CHALLENGER INC (Continued)

S107596752

Submitter Name: 1000 Tech Row LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: schlaufj
Division Assigned: RD

Secondary Address: Not reported
BEA Number: 3011
District: Southeast MI
Date Received: 12/22/2005
Submitter Name: FR/Cal 1000 Tech Row, LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: williams
Division Assigned: Environmental Response Division

Secondary Address: Not reported
BEA Number: 4466
District: Southeast MI
Date Received: 06/21/2010
Submitter Name: SA Challenger, Inc.
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: ndukwee
Division Assigned: RRD

WDS:

Site Id: MIK441562873
WMD Id: 490078
Site Specific Name: 1000 TECH ROW
Mailing Address: 26555 EVERGREEN
Mailing City/State/Zip: 48076
Mailing County: OAKLAND

S82
North
1/4-1/2
0.383 mi.
2023 ft.

ALTAIR CLEAN TECHNOLOGY CENTER
164 INDUSCO COURT
TROY, MI 48083

MI BEA S110300861
MI WDS N/A

Site 2 of 2 in cluster S

Relative:
Lower

Actual:
630 ft.

BEA:
Secondary Address: Not reported
BEA Number: 4571
District: Southeast MI
Date Received: 09/16/2010
Submitter Name: Altair Clean Technology Center, LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: ndukwee

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALTAIR CLEAN TECHNOLOGY CENTER (Continued)

S110300861

Division Assigned: Environmental Response Division

Secondary Address: Not reported
BEA Number: 4389
District: Southeast MI
Date Received: 02/26/2010
Submitter Name: 164 Indusco Court LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: ndukwee
Division Assigned: RRD

WDS:

Site Id: MID985645688
WMD Id: 407452
Site Specific Name: MODERN ENGINEERING
Mailing Address: PO BOX 4540
Mailing City/State/Zip: 48099
Mailing County: OAKLAND

Site Id: MIG000060870
WMD Id: 422727
Site Specific Name: GDM LTD
Mailing Address: 164 INDUSCO CT
Mailing City/State/Zip: 48083
Mailing County: OAKLAND

83
NNW
1/4-1/2
0.406 ml.
2144 ft.

MGA RESEARCH CORPRORATION
446 EXECUTIVE DR
TROY, MI 48083

MI BEA S104912583
MI WDS N/A

Relative:
Higher

Actual:
632 ft.

BEA:

Secondary Address: Not reported
BEA Number: 1239
District: Southeast MI
Date Received: 11/06/2000
Submitter Name: MGA RESEARCH CORP.
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: temppm
Division Assigned: Environmental Response Division

WDS:

Site Id: MIR000038299
WMD Id: 412980
Site Specific Name: MGA RESEARCH CORPORATION
Mailing Address: 446 EXECUTIVE DR
Mailing City/State/Zip: 48083
Mailing County: OAKLAND

Site Id: MIG000056521

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MGA RESEARCH CORPRORATION (Continued)

S104912583

WMD Id: 427581
Site Specific Name: CARPENTER SPECIALTY ALLOYS
Mailing Address: 446 EXECUTIVE DR
Mailing City/State/Zip: 48083
Mailing County: OAKLAND

T84
ENE
1/4-1/2
0.429 mi.
2264 ft.
PENSKE TRUCK LEASING CO LP
32600 DEQUINDRE RD
WARREN, MI 48092
Site 1 of 2 in cluster T

MI LUST **U003329953**
MI UST **N/A**
MI WDS

Relative:
Lower

Actual:
629 ft.

LUST:

Facility ID: 00010824
Source: STATE OF MICHIGAN
Owner Name: Penske Truck Leasing Co LP
Owner Address: Environmental ServicesPO Box 7635
Owner City,St,Zip: Reading, PA 19603-7635
Owner Contact: Not reported
Owner Phone: 610-775-6471
Country: USA
District: SE Michigan District Office
Site Name: Custom Deliveries, Inc.
Latitude: 42.53276
Longitude: -83.08676
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0271-93
Release Date: 02/15/1993
Substance Released: Diesel,Used Oil
Release Status: Closed
Release Closed Date: 03/25/1994

UST:

Facility ID: 00010824
Facility Type: ACTIVE
Owner Name: PENSKE TRUCK LEASING CO LP
Owner Address: ENVIRONMENTAL SERVICESPO BOX 7635
Owner City,St,Zip: READING, PA 19603-7635
Owner Country: USA
Owner Contact: Not reported
Owner Phone: 610-775-6471
Contact: JIM HATHAWAY
Contact Phone: (313) 271-7724
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO LP (Continued)

U003329953

Latitude: 42.53276
Longitude: -83.08676

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 20000
Product: Diesel
Install Date: 05/03/1985
Remove Date: 01/16/1993
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Fiberglass reinforced plastic
Piping Type: Not reported
Construction Material: Fiberglass Reinforced plastic,Lined Interior
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 20000
Product: Diesel
Install Date: 05/03/1985
Remove Date: 01/16/1993
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Fiberglass reinforced plastic
Piping Type: Not reported
Construction Material: Fiberglass Reinforced plastic,Lined Interior
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 2500
Product: Used Oil
Install Date: 05/03/1973
Remove Date: 01/16/1993
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Unknown
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 1200
Product: MOTOR OIL
Install Date: 01/01/1966
Remove Date: 01/16/1993
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENSKE TRUCK LEASING CO LP (Continued)

U003329953

Tank ID: 5
Tank Status: **Currently In Use**
Capacity: 20000
Product: Diesel
Install Date: 08/15/1996
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Double Walled
Piping Type: Pressure
Construction Material: Composite(Steel w/Fiberglass),Double Walled
Impressed Device: No

Tank ID: 6
Tank Status: **Currently In Use**
Capacity: 12000
Product: Gasoline
Install Date: 08/15/1996
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Double Walled
Piping Type: Pressure
Construction Material: Composite(Steel w/Fiberglass),Double Walled
Impressed Device: No

WDS:

Site Id: MID123212979
WMD Id: 398517
Site Specific Name: PENSKE TRUCK LEASING CO
Mailing Address: PO BOX 7635
Mailing City/State/Zip: 19603
Mailing County: Not reported

85
ESE
1/4-1/2
0.429 mi.
2266 ft.

WARREN AUTO CENTER
32200 DEQUINDRE ROAD
WARREN, MI 48092

MI BEA S105768536
N/A

Relative:
Lower

Actual:
629 ft.

BEA:

Secondary Address: Not reported
BEA Number: 1870
District: Southeast MI
Date Received: 11/20/2002
Submitter Name: MR. XHAFA ELEZIL
Petition Determination: No Request
Petition Disclosure: 0
Category: Same Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: ndukwee
Division Assigned: Environmental Response Division

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T86
ENE
1/4-1/2
0.433 mi.
2285 ft.
HOWARD PLATING
32565 DEQUINDRE
MADISON HEIGHTS, MI 48071
Site 2 of 2 in cluster T

MI DEL SHWS
MI NPDES
MI BEA
MI WDS
S107697252
N/A

Relative:
Lower

DELETED HWS:
Facility ID: 63000030
Status: Deleted - available documentation does not support listing

Actual:
629 ft.

MI NPDES:
Permit Number: MIS110198
Permittee PO Box: N
Permittee Email: iioannou@howardfinishing.com
Issue Date: 04/20/2011
Effective Date: 04/20/2011
Expiration Date: 04/01/2016
Permittee Name: Howard Finishing, LLC
Permittee Address: 15765 Sturgeon
Permittee Addr2: Not reported
Permittee City,St,Zip: Roseville, MI 48066
Permit Type: COC
Facility Name 2: Not reported
Facility Name 3: Not reported
Facility Name 4: Not reported
Designed Name: Howard Finishing-Madison Hts
Latitude: 42.531944
Lat Direction: N
Lat Type Code: LAT
Longitude: -83.086388
Lon Direction: W
Lon Type Code: LON
Hydrologic Unit Code: 4090003

BEA:

Secondary Address: Not reported
BEA Number: 1736
District: Southeast MI
Date Received: 06/21/2002
Submitter Name: HOWARD ACQUISITION GROUP, LLC
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Same Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: lundk
Division Assigned: Environmental Response Division

WDS:

Site Id: MID005356050
WMD Id: 393402
Site Specific Name: HOWARD FINISHING LLC
Mailing Address: 32565 DEQUINDRE RD
Mailing City/State/Zip: 48071
Mailing County: OAKLAND

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

87
NE
1/4-1/2
0.439 mi.
2318 ft.

14 MILE & DEQUINDRE INC
1881 EAST 14 MILE RD
TROY, MI 48083

MI LUST U003867482
MI UST N/A

Relative:
Lower

LUST:

Actual:
630 ft.

Facility ID: 00016753
Source: STATE OF MICHIGAN
Owner Name: 14 Mile & Dequindre Inc
Owner Address: 1881 East 14 Mile
Owner City,St,Zip: Troy, MI 48083
Owner Contact: Not reported
Owner Phone: (248) 589-1173
Country: USA
District: SE Michigan District Office
Site Name: Mobil SS #03-APP
Latitude: 42.53491
Longitude: -83.08827
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0327-04
Release Date: 07/15/2004
Substance Released: Gasoline,Gasoline,Gasoline,Gasoline
Release Status: Closed
Release Closed Date: 06/01/2009

UST:

Facility ID: 00016753
Facility Type: ACTIVE
Owner Name: 14 MILE & DEQUINDRE INC
Owner Address: 1881 EAST 14 MILE
Owner City,St,Zip: TROY, MI 48083
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (248) 589-1173
Contact: John Arabi
Contact Phone: (734) 307-4200
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.53491
Longitude: -83.08827

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 10000
Product: Gasoline
Install Date: 04/21/1985

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

14 MILE & DEQUINDRE INC (Continued)

U003867482

Remove Date: 08/01/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 10000
Product: Gasoline
Install Date: 04/21/1985
Remove Date: 08/01/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 10000
Product: Gasoline
Install Date: 04/21/1985
Remove Date: 08/01/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 10000
Product: Gasoline
Install Date: 04/21/1985
Remove Date: 08/01/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 550
Product: Used Oil
Install Date: 04/21/1985
Remove Date: 08/01/1987

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

14 MILE & DEQUINDRE INC (Continued)

U003867482

Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: Currently In Use
Capacity: 10000
Product: Gasoline
Install Date: 12/21/1986
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Double Walled, Fiberglass reinforced plastic
Piping Type: Pressure
Construction Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 7
Tank Status: Currently In Use
Capacity: 10000
Product: Gasoline
Install Date: 12/01/1986
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Double Walled, Fiberglass reinforced plastic
Piping Type: Pressure
Construction Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 8
Tank Status: Currently In Use
Capacity: 10000
Product: Gasoline
Install Date: 12/01/1986
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Double Walled, Fiberglass reinforced plastic
Piping Type: Pressure
Construction Material: Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 9
Tank Status: Currently In Use
Capacity: 10000
Product: Gasoline
Install Date: 12/01/1986
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

14 MILE & DEQUINDRE INC (Continued)

U003867482

Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Double Walled, Fiberglass reinforced plastic
Piping Type: Pressure
Construction Material: Fiberglass Reinforced plastic
Impressed Device: No

U88
ENE
1/4-1/2
0.477 mi.
2517 ft.
BOSTICK DEVELOPMENT LC
32880 DEQUINDRE ROAD
WARREN, MI 48092
Site 1 of 2 in cluster U

MI BEA **S107596734**
MI WDS **N/A**

Relative:
Lower

BEA:
Secondary Address: Not reported
BEA Number: 3083
District: Southeast MI
Date Received: 02/28/2006
Submitter Name: BOSTICK DEVELOPMENT LC
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: ndukwee
Division Assigned: Environmental Response Division

Actual:
628 ft.

WDS:
Site Id: MID982070906
WMD Id: 400784
Site Specific Name: WALKER WIRE AND STEEL CO
Mailing Address: 660 E 10 MILE RD
Mailing City/State/Zip: 48220
Mailing County: OAKLAND

U89
NE
1/4-1/2
0.492 mi.
2598 ft.
SPEEDWAY #8803
32845 DEQUINDRE
MADISON HEIGHTS, MI 45501
Site 2 of 2 in cluster U

MI LUST **U003426016**
MI UST **N/A**
MI AUL
MI WDS

Relative:
Lower

LUST:
Facility ID: 00016361
Source: STATE OF MICHIGAN
Owner Name: Speedway LLC
Owner Address: PO Box 1500
Owner City, St, Zip: Springfield, OH 45501
Owner Contact: Not reported
Owner Phone: (937) 864-3000
Country: USA
District: SE Michigan District Office
Site Name: Speedway #8803
Latitude: 42.53596
Longitude: -83.08263
Date of Collection: 07/03/2007
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 100
Accuracy Value Unit: FEET

Actual:
629 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #8803 (Continued)

U003426016

Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0686-97
Release Date: 08/12/1997
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: 12/26/2001

UST:

Facility ID: 00016361
Facility Type: ACTIVE
Owner Name: SPEEDWAY LLC
Owner Address: PO BOX 1500
Owner City,St,Zip: SPRINGFIELD, OH 45501
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (937) 864-3000
Contact: Toby Rickabaugh
Contact Phone: (937) 864-3000
Date of Collection: 07/03/2007
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Latitude: 42.53596
Longitude: -83.08263

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 4000
Product: Gasoline
Install Date: 04/21/1980
Remove Date: 08/13/1997
Tank Release Detection: Inventory Control,Manual Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors,SIR
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 12000
Product: Gasoline
Install Date: 04/21/1980
Remove Date: 08/13/1997
Tank Release Detection: Inventory Control,Manual Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors,SIR
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Cathodically Protected Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #8803 (Continued)

U003426016

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 12000
Product: Gasoline
Install Date: 04/21/1980
Remove Date: 08/13/1997
Tank Release Detection: Inventory Control, Manual Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors, SIR
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 6000
Product: Gasoline
Install Date: 04/21/1980
Remove Date: 08/13/1997
Tank Release Detection: Inventory Control, Manual Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors, SIR
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 4000
Product: Used Oil
Install Date: 04/21/1980
Remove Date: 08/13/1997
Tank Release Detection: Inventory Control, Manual Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors, SIR
Piping Material: Bare Steel, Galvanized Steel
Piping Type: Suction: No Valve At Tank
Construction Material: Asphalt Coated or Bare Steel, Cathodically Protected Steel
Impressed Device: No

Tank ID: 6
Tank Status: Currently In Use
Capacity: 15000
Product: Gasoline
Install Date: 08/13/1997
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass Reinforced Plastic, Double Walled
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic
Impressed Device: No

Tank ID: 7

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #8803 (Continued)

U003426016

Tank Status: Currently In Use
Capacity: 8000
Product: Gasoline
Install Date: 08/13/1997
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass Reinforced Plastic, Double Walled
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic
Impressed Device: No

Tank ID: 8
Tank Status: Currently In Use
Capacity: 8000
Product: Gasoline
Install Date: 08/13/1997
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass Reinforced Plastic, Double Walled
Piping Type: Pressure
Construction Material: Fiberglass Reinforced Plastic
Impressed Device: No

AUL:

Status: Recorded
Site Name: Not reported
Property: 32845 Dequindre, Madison Heights
Land Use Restriction Type: NCA
Program Type: Part 213
Program Support Assigned User: Nicholas Swartz
Program Support Assigned Date: 07/20/2009
Legal Description Of Property: Migrated
Based On The Deq Ref #: 12121304133
MDEQ Reference Number: NCA-RRD-213-04-133
Property Or Description Restricted Area: Migrated
Lead Division: STD
File Name Of Hyperlinked Legal Doc: U:\kemit\12121304133.pdf
Mapped Polygons Area In Acres: 1.1306
Mapped Polygons Area In Square Miles: 0.0018
Date Data Entry Started: 07/20/2009
Date Data Entry Finished: 07/20/2009
Individual Or Staff Assoc With The Mapping: Nicholas Swartz
Program Used To Map Restricted Features: ArcInfo 9.3 and IcoMap 4.2
Date Legal Paperwork Stamped/Filed/Register Of Deeds: 03/23/2000
Commercial I Land Use Restriction: 0
Commercial Ii Land Use Restriction: 0
Commercial Iii Land Use Restriction: 1
Commercial Iv Land Use Restriction: 0
Industrial Land Use Restriction: 0
Residential Land Use Restriction: 0
Recreational Land Use Restriction: 0
Multiple Land-Use Restrictions: 0
Site Specific Restrictions: 0
Groundwater Consumption Restrictions: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPEEDWAY #8803 (Continued)

U003426016

Groundwater Contact Restrictions: 0
Special Well Construction Requirements: 0
Special Building Restrictions: 0
Excavation And Soil Movement Restrictions: 0
Soil Movement Requirements: 0
There Is A Restriction On All Construction: 0
Monitoring Well Protected, No Tampering Or Removal: 0
There Is An Exposure Barrier In Place: 0
There Is A Health And Safety Plan: 0
There Is A Permanent Marker On The Site: 0

Map Comments: Land restriction has not been mapped in kermi as of February 8, 2008. LUR is mapped in KERMIT as of 20090720 - Nick Swartz
Comment: Request received on 7/13/2004. RC had facility name as TPI Station #4303, but SID LUST name is Speedway #8803.

WDS:

Site Id: MID985666023
WMD Id: 409132
Site Specific Name: SPEEDWAY 8803
Mailing Address: PO BOX 1500
Mailing City/State/Zip: 45501
Mailing County: Not reported

90
NW
1/2-1
0.537 mi.
2836 ft.

GRAND HAVEN STAMPING
307 ROBBINS DR
TROY, MI 48083

MI DEL SHWS S107701771
MI WDS N/A

Relative:
Higher

DELETED HWS:

Facility ID: 63005117
Status: Delisted - no longer meets criteria specified in rules

Actual:
634 ft.

WDS:

Site Id: MID000722397
WMD Id: 392610
Site Specific Name: KDS CONTROLS
Mailing Address: 307 ROBBINS DR
Mailing City/State/Zip: 48083
Mailing County: OAKLAND

91
WNW
1/2-1
0.802 mi.
4233 ft.

OAKLAND TUNE UP CENTER (FORMER)
501 W. 14 MILE ROAD
MADISON HEIGHTS, MI 48071

MI SHWS S110300671
N/A

Relative:
Higher

SHWS:

Facility ID: 63005217
Facility Status: Evaluation conducted
Source: Gasoline Service Station
SAM Score: 36
SAM Score Date: 02/03/2010
Township: 1
Range: N11

Actual:
638 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OAKLAND TUNE UP CENTER (FORMER) (Continued)

S110300671

Section: 2
Quarter: NW
Quarter/Quarter: NW
Pollutants: 1,2,4 TMB; Xylenes

Count: 6 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MADISON HEIGHTS	S105144546	SOCRRA JOHN R AND 12 MILE	29470 JOHN R AT 12 MILE		MI SHWS
MADISON HEIGHTS	1007097993	AMERICAN PAPER CO	649 MANDOLINE RD	48071	RCRA NonGen / NLR
ROYAL OAK	S109029721	HOWARD GAS AND OIL	26461 DEQUINDER	48071	MI SHWS
STERLING HEIGHTS	U003426038	DEQUINDRE & 16 MILE PROPERTY LLC	1925 16 MILE/DEQUINDRE	48310	MI LUST, MI UST
WARREN	S103085412	VORELCO PROPERTY	7133 AND 7147 EAST ELEVEN MILE	48092	MI SHWS
WARREN	U003321001	EFTEC NORTH AMERICA	25200-25700 MALVINA 25700 MALV	48071	MI LUST, MI UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 04/08/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 04/08/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 04/08/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 02/28/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/31/2013
Date Data Arrived at EDR: 07/08/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 151

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/11/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 02/28/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/17/2013
Date Data Arrived at EDR: 01/14/2014
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/17/2013
Date Data Arrived at EDR: 01/14/2014
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/26/2014
Date Data Arrived at EDR: 02/28/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 55

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/30/2013
Date Data Arrived at EDR: 10/01/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 66

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 04/04/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Contaminated Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 10/01/2013
Date Data Arrived at EDR: 10/31/2013
Date Made Active in Reports: 11/20/2013
Number of Days to Update: 20

Source: Dept of Environmental Quality
Telephone: 517-373-9541
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facilities Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/31/2014
Date Data Arrived at EDR: 04/01/2014
Date Made Active in Reports: 05/05/2014
Number of Days to Update: 34

Source: Dept of Environmental Quality
Telephone: 517-335-4035
Last EDR Contact: 04/01/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 02/01/2014
Date Data Arrived at EDR: 02/19/2014
Date Made Active in Reports: 03/26/2014
Number of Days to Update: 35

Source: Dept of Environmental Quality
Telephone: 517-373-9837
Last EDR Contact: 02/19/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/20/2014
Date Data Arrived at EDR: 02/21/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 62

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/21/2013
Date Data Arrived at EDR: 11/26/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/22/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 02/21/2014
Number of Days to Update: 59	Next Scheduled EDR Contact: 05/12/2014
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/06/2013	Source: EPA Region 10
Date Data Arrived at EDR: 11/07/2013	Telephone: 206-553-2857
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 04/28/2014
Number of Days to Update: 29	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/13/2014	Source: EPA, Region 5
Date Data Arrived at EDR: 02/14/2014	Telephone: 312-886-7439
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2013	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/28/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST 2: Underground Storage Tank Listing

A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 02/27/2014	Source: Dept of Environmental Quality
Date Data Arrived at EDR: 02/28/2014	Telephone: 517-335-7211
Date Made Active in Reports: 03/27/2014	Last EDR Contact: 04/21/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 08/04/2014
	Data Release Frequency: Annually

UST: Underground Storage Tank Facility List

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 02/01/2014	Source: Dept of Environmental Quality
Date Data Arrived at EDR: 02/19/2014	Telephone: 517-335-4035
Date Made Active in Reports: 03/26/2014	Last EDR Contact: 02/19/2014
Number of Days to Update: 35	Next Scheduled EDR Contact: 06/02/2014
	Data Release Frequency: Annually

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/14/2014
Date Data Arrived at EDR: 02/18/2014
Date Made Active in Reports: 03/28/2014
Number of Days to Update: 38

Source: Dept of Environmental Quality
Telephone: 517-373-8168
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: No Update Planned

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 01/27/2014
Number of Days to Update: 271

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 02/20/2014
Date Data Arrived at EDR: 02/21/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 62

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 07/29/2013
Date Data Arrived at EDR: 08/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 92

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 07/29/2013
Date Data Arrived at EDR: 07/30/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 129

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/13/2014
Date Data Arrived at EDR: 02/14/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 10

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 01/29/2014
Date Data Arrived at EDR: 01/29/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 42

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Semi-Annually

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/21/2013
Date Data Arrived at EDR: 11/26/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/22/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Semi-Annually

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/15/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Engineering and Institutional Controls

A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 03/04/2014
Date Data Arrived at EDR: 03/06/2014
Date Made Active in Reports: 03/27/2014
Number of Days to Update: 21

Source: Dept of Environmental Quality
Telephone: 517-373-4828
Last EDR Contact: 03/03/2014
Next Scheduled EDR Contact: 06/06/2014
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/17/2013
Date Data Arrived at EDR: 10/01/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 66

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 04/01/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

Date of Government Version: 07/27/2012
Date Data Arrived at EDR: 07/31/2012
Date Made Active in Reports: 09/20/2012
Number of Days to Update: 51

Source: Dept of Environmental Quality
Telephone: 517-373-4805
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

BROWNFIELDS 2: Brownfields Building and Land Site Locations

A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detroit Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/10/2007
Date Made Active in Reports: 05/01/2007
Number of Days to Update: 21

Source: Economic Development Corporation
Telephone: 888-522-0103
Last EDR Contact: 03/03/2014
Next Scheduled EDR Contact: 06/16/2014
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/20/2014
Date Data Arrived at EDR: 03/20/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/20/2014
Next Scheduled EDR Contact: 07/07/2014
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: No Update Planned

HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997
Date Data Arrived at EDR: 02/28/2003
Date Made Active in Reports: 03/06/2003
Number of Days to Update: 6

Source: Dept of Environmental Quality
Telephone: 517-335-4034
Last EDR Contact: 02/28/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 11/24/2009
Date Data Arrived at EDR: 09/30/2010
Date Made Active in Reports: 10/28/2010
Number of Days to Update: 28

Source: Dept of Environmental Quality
Telephone: 517-241-5719
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/04/2013
Date Data Arrived at EDR: 12/10/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 65

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/04/2014
Next Scheduled EDR Contact: 06/16/2014
Data Release Frequency: Quarterly

DEL SHWS: Delisted List of Contaminated Sites

Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does not support it's listing or the site no longer meets criteria specified in rules.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/01/2013
Date Made Active in Reports: 09/11/2013
Number of Days to Update: 41

Source: Dept of Environmental Quality
Telephone: 517-373-9541
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 10/20/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 11/21/2008
Number of Days to Update: 3

Source: Department of Community Health
Telephone: 517-373-3740
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/04/2014
Next Scheduled EDR Contact: 06/16/2014
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

LIENS: Lien List

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC * 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition

Date of Government Version: 01/24/2014
Date Data Arrived at EDR: 01/28/2014
Date Made Active in Reports: 03/26/2014
Number of Days to Update: 57

Source: Dept of Environmental Quality
Telephone: 517-241-7603
Last EDR Contact: 04/25/2014
Next Scheduled EDR Contact: 08/04/2014
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/03/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 52

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/01/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PEAS: Pollution Emergency Alerting System

Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

Date of Government Version: 04/10/2014
Date Data Arrived at EDR: 04/11/2014
Date Made Active in Reports: 05/05/2014
Number of Days to Update: 24

Source: Dept of Environmental Quality
Telephone: 517-373-8427
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/06/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/18/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 55

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/24/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/27/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/11/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/25/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 09/05/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 28

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/05/2014
Next Scheduled EDR Contact: 06/16/2014
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/26/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/28/2014
Next Scheduled EDR Contact: 07/07/2014
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/24/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/09/2014
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 04/29/2014
Number of Days to Update: 77	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 10/09/2014
Number of Days to Update: 61	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 107

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/18/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/09/2014
Date Data Arrived at EDR: 01/10/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/09/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/18/2013
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 13

Source: EPA
Telephone: (312) 353-2000
Last EDR Contact: 03/14/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/01/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/28/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Biennially

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 11/18/2013
Date Data Arrived at EDR: 11/19/2013
Date Made Active in Reports: 11/26/2013
Number of Days to Update: 7

Source: Dept of Environmental Quality
Telephone: 517-241-1515
Last EDR Contact: 04/18/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 01/27/2014
Date Data Arrived at EDR: 01/28/2014
Date Made Active in Reports: 03/26/2014
Number of Days to Update: 57

Source: Dept of Environmental Quality
Telephone: 517-335-4586
Last EDR Contact: 04/21/2014
Next Scheduled EDR Contact: 08/04/2014
Data Release Frequency: Annually

NPDES: List of Active NPDES Permits

General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm Water permits.

Date of Government Version: 04/08/2014
Date Data Arrived at EDR: 04/09/2014
Date Made Active in Reports: 05/06/2014
Number of Days to Update: 27

Source: Dept of Environmental Quality
Telephone: 517-241-1300
Last EDR Contact: 04/09/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data

Permit and emissions inventory data.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 04/03/2014
Date Made Active in Reports: 05/05/2014
Number of Days to Update: 32

Source: Dept of Environmental Quality
Telephone: 517-373-7074
Last EDR Contact: 03/24/2014
Next Scheduled EDR Contact: 07/07/2014
Data Release Frequency: Varies

BEA: Baseline Environmental Assessment Database

A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

Date of Government Version: 08/21/2013
Date Data Arrived at EDR: 08/23/2013
Date Made Active in Reports: 09/12/2013
Number of Days to Update: 20

Source: Dept of Environmental Quality
Telephone: 517-373-9541
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: No Update Planned

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/18/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 04/21/2014
Next Scheduled EDR Contact: 08/04/2014
Data Release Frequency: Varies

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013
Date Data Arrived at EDR: 02/14/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/04/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 07/03/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 72

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 04/04/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/18/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: N/A

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/11/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 04/18/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Varies

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 03/31/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 03/31/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Annually

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 04/07/2014
Date Data Arrived at EDR: 04/11/2014
Date Made Active in Reports: 05/06/2014
Number of Days to Update: 25

Source: Dept of Environmental Quality
Telephone: 517-335-6610
Last EDR Contact: 04/07/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 01/05/2011
Date Data Arrived at EDR: 01/07/2011
Date Made Active in Reports: 02/14/2011
Number of Days to Update: 38

Source: Dept of Environmental Quality
Telephone: 517-335-4034
Last EDR Contact: 03/31/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 02/25/2014
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Quarterly

COAL ASH: Coal Ash Disposal Sites

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 07/12/2013
Date Data Arrived at EDR: 07/12/2013
Date Made Active in Reports: 08/01/2013
Number of Days to Update: 20

Source: Dept of Environmental Quality
Telephone: 586-753-3754
Last EDR Contact: 04/07/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Varies

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 08/13/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/10/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Quarterly

WDS: Waste Data System

The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.

Date of Government Version: 03/04/2014
Date Data Arrived at EDR: 03/06/2014
Date Made Active in Reports: 03/27/2014
Number of Days to Update: 21

Source: Dept of Environmental Quality
Telephone: 517-284-6562
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Michigan.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Michigan.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Michigan.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/21/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/18/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 02/28/2014
Date Data Arrived at EDR: 03/12/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/07/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/21/2014
Next Scheduled EDR Contact: 08/04/2014
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/05/2013
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 09/27/2013
Number of Days to Update: 49

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/17/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.
Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes

Source: Bureau of REgulatory Services

Telephone: 517-373-8300

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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WRITTEN REQUESTS FOR FILE REVIEWS
AND WRITTEN RESPONSES



Lansing
3340 Ranger Road
Lansing, MI 48906
f: 877-884-6775
t: 517-321-3331

Detroit
4080 W. 11 Mile Rd
Berkley, MI 48072
f: 877-884-6775
t: 248-336-9988

Grand Rapids
820 Monroe Avenue, NW
Suite 433
Grand Rapids, MI 49503
f: 877-884-6775
t: 616-285-8857

ISO 9001 REGISTERED

VIA EMAIL: DEQFOIA@michigan.gov
Requested By: babuska@pmenv.com
Reviewed By: Kozlowski@pmenv.com

May 16, 2014

Susan Vorce, FOIA Coordinator
Office of Environmental Assistance
Department of Environmental Quality

FOIA Coordinator:

Please accept this Freedom of Information Act request for file information for the following sites located in **Oakland County**:

RRD Records Maintained in the SEMI District Office Only:

- Coca Cola Enterprises-Madison; 32500 N. Avis Dr., Madison Heights (Facility ID: 00034909)
- P & S Property Holdings LLC; 32349 Milton Ave., Madison Heights (BEA: 5238)
- Commercial Property; 32500 N. Avis Dr., Madison Heights (BEA: 3581)

OWMRP Records Maintained in the SEMI District Office Only:

- Reliable Analysis Inc.; 32201 N. Avis Dr., Madison Heights (EPA ID: MIK555722610)
- St. Lawrence-Troy LLC; 32399 Milton Ave., Madison Heights (EPA ID: MIK595372764)
- Inductoheat; 32251 N. Avis Dr., Madison Heights (EPA ID: MID980791883)
- Coca Cola Enterprises INC; 32500 N. Avis Dr., Madison Heights (EPA ID: MID985585488)
- Specmo Enterprises INC; 1200 E. Avis Dr., Madison Heights (EPA ID: MIR000100818)
- Stevens Tech Group; 32451 N. Avis Dr., Madison Heights (EPA ID: MID985630110)
- Menasha Corp.; 32200 N. Avis Rd., Madison Heights (EPA ID: MIR000014977)
- Gonzalez Manufacturing Tech INC; 32200 N. Avis Dr., Madison Heights (EPA ID: MID054674288)

Air Quality Division and Water Resources Division Files:

- 32451 North Avis Drive, Madison Heights

I would like to review the files at the SEMI District office before copies are made.
Please contact me at 248-414-1423 if you have any questions or concerns. Thank you.

Sincerely,
PM Environmental, Inc.

Alex J. Kozlowski

Alex Kozlowski
Assistant Research Manager
4080 West Eleven Mile Rd
Berkley, MI 48072
PME Project Number: 02-7403-0 CK (6-9-14)

Appendix E



PM PROFESSIONAL RESUMES



1.800.313.2966
www.pmenv.com
kosloski@pmenv.com

Education

- Michigan State University
B.S. Fisheries and Wildlife

Certifications

- Certified Asbestos Building Inspector
Accreditation #A42082
- Successfully completed EDR Environmental
Due Diligence 101 Course

CHIP M. KOSLOSKI

PROJECT CONSULTANT

Areas of expertise

- Staff Researcher for Phase I Environmental Site Assessments (ESAs).
- Data collection, site investigation, and preparation of Phase I ESAs.
- Collection and evaluation of data for Transaction Screens, and preparation of reports.
- Experience in implementation and completion of various site assessment standards and professional protocol and commercial lending requirements (ASTM E-1527).



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www.pmenv.com
feeny@pmenv.com

Education

- Central Michigan University B.S. Environmental Studies
- Specialization: Environmental Policy and Public Administration

Certifications

- Successfully completed EDR Environmental Due Diligence 101 Course

RYAN FEENY

STAFF CONSULTANT

Areas of expertise

- Staff researcher for Phase I Environmental Site Assessments (ESAs).
- Data collection, site investigation, and preparation of Phase I ESAs.
- Collection and evaluation of data for Transaction Screens, Phase I Reports, and preparation of reports.
- Experience in implementation and completion of various site assessment standards and profession protocol and commercial lending requirements (ASTM E-1527).



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Education

- Michigan State University B.S. Civil and Environmental Engineering
- Michigan State University Graduate Studies Environmental Engineering
- ASTM Risk Based Corrective Action

Registration

Professional Engineer

- State of Michigan No. 42073
- State of Alabama No. 22445
- State of Georgia No. 23834

Certified UST Professional

- State of Michigan No. 859

Certifications

- OSHA 1910.120 Hazardous Waste Training to Level B
- OSHA 1910.120 Hazardous Waste 8-hour Supervisor Training
- American Red Cross Standard First Aid and Adult CPR
- Certified Asbestos Building Inspector Accreditation No. A25217
- Meets the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312

Professional Activities

- Environmental Bankers Association
- Community Bankers of Michigan
- Association for Corporate Growth
- Commonground Advisory Board
- Michigan Petroleum Association

Panels

- Banker/Consultant Relationships and Setting Expectations (Contracting and Pricing Phase I ESAs)
- Trials and Tribulations Facing SBA, Lenders and Environmental Professionals Implementing SOP 50 10 for Loan Originations, Refinancing's and Liquidations Under the CDC 504 and 7a Loan Programs
- UST Updates and Heating Oil Tanks Adventures
- Oddities Presentation

MICHAEL T. KULKA, P.E., Q.C.

FOUNDER AND CEO

Mr. Kulka is a Chief Executive Officer and Principal at PM Environmental, Inc. and has served clients throughout the United States since 1989. He specializes in Environmental Due Diligence, Portfolio Management, Mergers and Acquisitions, and Transactional Real Estate and Development.

Mr. Kulka is the National Client manager for numerous Fortune 100 financial institutions, retail chains, industrial conglomerates, and real estate developers. He has managed multiple large scale commercial, retail, and industrial redevelopments involving multiple service lines within the company. Mr. Kulka has presented on national panels within the environmental industry on topics such as Environmental Due Diligence, Brownfield, Leaking Underground Storage Tank (LUST), Environmental Compliance, and Environmental Oddities.

Areas of expertise

- Due Diligence Phase I Environmental Site Assessment (ESA) Projects.
- Brownfield Redevelopment Projects.
- Phase II ESAs and Site Investigation Projects.
- Baseline Environmental Assessments (BEAs), Continuing Obligations, and Due Care Projects.
- Property Condition Assessments (PCAs) and Project Capital Needs Assessments (PCNAs).
- Environmental Compliance Audits.
- Leaking Underground Storage Tank (LUST) Projects, including removal and in-place closures, contaminant delineation, and remediation using Risk-Based Correction Action (RBCA) Procedures.
- Expert in Compliance with the Natural Resources and Environmental Protection Act, P.A. 451 of 1994, Parts 201, 203, 211, 213, and 215, as well as Parts 111 and 115.
- Preparation and review of land use based remedial action plans.
- Applying for land use based closures.
- Applying for and accessing state and federal environmental cleanup funds.
- Preparation and review of feasibility studies for the remediation of soil and groundwater.
- Preparation and review of generic and site-specific risk assessments.
- Design of soil and groundwater remediation systems at contaminated sites.
- Storm Water Pollution Prevention Plans (SWPPPs).
- SPCC Plans and PIPPs.

Appendix F



COMMON ACRONYMS AND TERMINOLOGY USED IN THE COURSE OF THIS PHASE I ESA

The following is a list of common acronyms:

All Appropriate Inquiry	AAI
Asbestos Containing Materials	ACM
Aboveground Storage Tank	AST
American Society for Testing Materials	ASTM
Approximate Minimum Search Distance	ASMD
Comprehensive Environmental Response, Compensation and Liability Act	CERCLA
Environmental Data Resources	EDR
Environmental Site Assessment	ESA
Federal Emergency Response Notification System	ERNS
Large Quantity Generator	LQG
Leaking Underground Storage Tank	LUST
National Priority List	NPL
No Further Remedial Action Planned	NFRAP
PM Environmental, Inc.	PME
Polychlorinated Biphenyls	PCBs
Resource Conservation and Recovery Act	RCRA
Small Quantity Generator	SQG
Treatment Storage and Disposal Facility	TSD
Underground Storage Tank	UST
United States Environmental Protection Agency	USEPA

TERMINOLOGY

The following provides definitions and descriptions of certain terms that may be used in this report. Several terms are defined by ASTM Standard Practice E 1527. The Standard Practice should be referenced for further detail (such as the precise wording), related definitions, or additional explanation regarding the meaning of terms.

Asbestos containing material (ACM): Any material found to contain greater than 1% asbestos using an analytical method that is approved by the USEPA for asbestos analysis.

De minimis conditions: Conditions that generally do not present a material risk or harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

Friable material: Defined in the National Emission Standards for Hazardous Air Pollutants (NESHAP) as a material that can be pulverized or reduced to dust using hand pressure only.

General risk of enforcement action: The likelihood that an environmental condition would be subject to enforcement action if brought to the attention of appropriate

governmental agencies. If the circumstances suggest an enforcement action would be more likely than not, then the condition is considered a general risk of enforcement action.

Historical recognized environmental condition (HREC): Environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. The final decision rests with the environmental professional and will be influenced by the current impact of the historical recognized environmental condition on the subject property. If a past release of any hazardous substances or petroleum products has occurred in connection with the subject property, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent), this condition shall be considered a historical recognized environmental condition.

Non-friable material: Defined by National Emission Standards for Hazardous Air Pollutants (NESHAP) as a material that cannot be pulverized or reduced to dust using hand pressure only. According to NESHAP, non-friable building materials include those in Category I (packings, gaskets, resilient floor coverings/adhesives, and asphalt roofing materials) and those in Category II (all other materials).

Recognized environmental condition (REC): The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the subject property or into the ground, ground water, or surface water of the subject property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

Subject property: The area that is the focus of a Phase I Environmental Site Assessment. The boundaries are not necessarily consistent with recorded legal descriptions of real estate, and are defined by the User.

Suspect ACM of concern: Defined as "(I) all friable suspect ACMs (II) any non-friable suspect ACMs expected to be disturbed by renovation or demolition activities planned for the subject property."

General Scope of Services for Phase I ESA

The purpose of the Phase I ESA is to gather sufficient information to develop an independent professional opinion about the environmental condition of the subject property. The ESA will be conducted in an attempt to satisfy the ASTM Standard (E-1527-13) and the U.S. EPA Standards and Practices for All Appropriate Inquiry as defined in the Small Business Liability Relief and Brownfields Revitalization Act. The Phase I ESA will encompass the following scope of work:

Records Review

- Federal and State database search for sites within the ASTM approximate minimum search distances.
- Review of one or more additional state environmental record sources (e.g., fire department, health department, published local or state site contamination lists, etc.). PM is typically exhaustive in inquiry with these resources.
- Utilization of as many of the ASTM standard historical sources as necessary and as reasonably ascertainable and likely to be useful to document all obvious uses of the subject property from the present, back to the subject property's first developed usage (agricultural or the placement of fill) or 1940, whichever is earlier (e.g., aerial photographs, fire insurance maps, topographic maps, street directories, building record and other sources including knowledgeable interviewees). PM is typically exhaustive in usage of these resources to document subject property historical usages. **Chain of title is not typically consulted by PM unless all other standard and historical sources cannot adequately document subject property usages or if required by a lender. A separate fee to the lump sum quoted will be assessed for obtaining of chain of title.**
- A records review in accordance with the requirements for a Vapor Intrusion Assessment per ASTM E-2600-08 is not included in this scope of work.

Site Reconnaissance

- The objective of the site reconnaissance is to obtain information regarding the likelihood of recognized environmental conditions in connection with the subject property.
- The exterior of the subject property and any structures, as well as, pathways, roads, etc., will be visually and physically observed.
- The interior of the structures on the subject property will be visually and physically observed. This includes all common areas, maintenance and repair rooms, boiler rooms and representative number of occupant spaces. Observations under floors, above ceilings or behind walls are not required unless specified by requirements other than the ASTM standard.
- PM will evaluate non-ASTM scope issues with a visual inspection, and comment on asbestos containing building materials, lead based paint, and water intrusion associated with mold. Sampling is not included within this scope of work, but can be completed under a separate proposal.
- Current and past uses of the subject property and adjoining properties, and general uses of surrounding properties, to the extent visually and physically observed will be recorded. Emphasis is placed on subject property or adjoining property usages involving use, treatment, storage, disposal or generation of hazardous substances or petroleum products. These observations may include process details on raw material and waste management practices.
- General description of structures and improvements on the subject property (number and age of buildings, ancillary structures, utilities, storage tanks, hazardous substance and petroleum product usage, general chemical or raw material usage, heating and cooling, stains, solid waste, waste water, etc.).

Interviews with Owners and Occupants

- Interviews with owners, occupants, key site manager and user (person on behalf Phase I ESA conducted), typically with regard to information about current and historical uses, general site setting information, site specific documents, litigation, administrative orders, notices of violations with regard to environmental issues, etc.

Interviews with Local Government Officials

- A reasonable attempt will be made to interview at least one staff member of any of the following: the local fire department, the local agency or state agency having jurisdiction over environmental matters in the area in which the subject property is located, and/or the local health department. PM is typically exhaustive in its inquiry of these sources, unless professional experience has indicated the resource is not beneficial.

Evaluation and Report Preparation

- The report of the Phase I ESA findings will generally follow the ASTM format unless otherwise requested by the client or as outlined in any applicable lender requirements. The report will include documentation of sources, methodology, limitations, and credentials. *Liability/risk evaluations, recommendations for Phase II ESA testing and remediation techniques are not provided within the scope of an ASTM performed assessment.* Phase I ESA reports are kept in the strictest client confidence and are issued directly to the client. Issuance or reliance on the Phase I ESA report for purposes of making loan decisions by a private lender may be included in the Phase I ESA report if specified by the client.

USER'S CONTINUING OBLIGATIONS UNDER CERCLA

Conducting a Phase I ESA alone does not provide a landowner with protection against CERCLA liability. Landowners who want to maintain a bona Fide Prospective Purchaser, an Innocent Landowner, or a Contiguous Property Owner Defense must also comply with other pre-acquisition and post-acquisition requirements in the CERCLA regulations and AAI standards. The responsibilities for each defense are summarized below.

Bona Fide Prospective Purchaser Responsibilities

The Bona Fide Prospective Purchaser defense is intended for individuals or entities purchasing a property known to be contaminated. To obtain and maintain the defense, the individual or entity seeking the defense must also satisfy the following requirements (AAI, Section II D.1.):

- Have acquired a property after all disposal activities involving hazardous substances ceased at the property;
- Provide all legally required notices with respect to the discovery or release of any hazardous substances at the property;
- Exercise appropriate care by taking reasonable steps to stop continuing releases, prevent any threatened future releases, and prevent or limit human, environmental, or natural resources exposure to any previously released hazardous substance;
- Provide full cooperation, assistance, and access to persons authorized to conduct response actions or natural resource restorations;
- Comply with land use restrictions established or relied on in connection with a response action;
- Not impede the effectiveness or integrity of any institutional controls;
- Comply with any CERCLA request for information or administrative subpoena; and
- Not be potentially liable, or affiliated with any other person who is potentially liable for response costs for addressing releases at the property.

Innocent Landowner Responsibilities

The Innocent Landowner Defense protects individuals or entities (ultimately the "property owner") purchasing a property that is not known to be contaminated. The property owner must also satisfy the following requirements to obtain and maintain the defense (AAI, Section II D.3 and CERCLA Section 107(b)(3)):

- Have no reason to know that any hazardous substance which is the subject of a release of threatened release was disposed of on, in, or at the facility;
- Provide full cooperation, assistance and access to persons authorized to conduct response actions at the property;
- Comply with any land use restrictions and not impeding the effectiveness or integrity of any institutional controls;

- Take reasonable steps to stop continuing releases, prevent any threatened release, and prevent to limit human, environmental, or natural resource exposure to any hazardous substances released on or from the landowner's property;
- Demonstrate that the act or omission that caused the release or threat of release of hazardous substances and the resulting damages were caused by the third party with whom the person does not have employment, agency, or contractual relationship;
- Exercise due care with respect to the hazardous substance concerned, taking into consideration the characteristics of such hazardous substance, in light of all relevant facts and circumstances;
- Take precautions against foreseeable acts or omissions of a third party and the consequences that could result from such acts or omissions.

Contiguous Property Owner Defense

The Contiguous Property Owner Defense protects individuals or entities purchasing a property that is not known to be contaminated, but could be contaminated by migration from a contiguous property owned by someone else. To qualify as a contiguous property owner, a landowner must have no knowledge of contamination prior to acquisition, or reason to know of contamination at the time of acquisition, have conducted AAI, and meet all of the criteria set forth in AAI Section II.D.2 and CERCLA Section 107(q)(1)(A), which include:

- Not cause, contribute, or consent to the release or threatened release;
- Not be potentially liable nor affiliated with any other person potentially liable for response costs at the property;
- Take reasonable steps to stop continuing releases, prevent any threatened release, and prevent or limit human, environmental, or natural resource exposure to any hazardous substances released on or from the landowner's property;
- Provide full cooperation, assistance, and access to persons authorized to conduct response actions or natural resource restorations;
- Comply with land use restrictions established or relied on in connection with a response action;
- Not impede the effectiveness or integrity of any institutional controls;
- Comply with any CERCLA request for information or administrative subpoena;
- Provide all legally required notices with respect to discovery or release of any hazardous substances at the property.

Persons who know, or have reason to know, that the property is or could be contaminated at the time of acquisition of a property cannot qualify for the liability protection as a contiguous property owner, but may be entitled to Bona Fide Prospective Purchaser status.

Appendix B





SprayTek, Inc.

2535 Wolcott

Ferndale, MI 48220

Chemicals Used

Acetone

Aluminum

Amorphous silica

Aromatic petroleum distillate

Butyl alcohol

Cristoblite crystalline silica

Dimethyl adipate

Dimethyl glutarate

Dimethyl succinate

Ethyl alcohol

Ethyl benzene

Formaldehyde

Homopolymer of hexamethylene diisocyanate

Hydrochloric acid < 2%

Isopropyl alcohol

Magnesium oxide

Methyl acetate

Methyl ethyl ketone

Naphthalene

n-butyl alcohol

Nickel

Phosphoric acid

Propyl methyl acetate

Propylene glycol monomethyl ether acetate

SC150 (Solvent 150/Aromatic 150)

Sodium hydroxide, 50%

Sodium nitrite

Sulfuric acid

Talc

Tetra butyl alcohol

Toluene

Xylene

Zinc

Zinc dihydrogen phosphate

Appendix C





Boring Log .

Project No.: 02-7403-1

Boring No.: SB-1

Project Name: MANUFACTURING PROPERTY **Date Drilled:** 6/17/2014

Facility ID#:

Drill Rig: 6610-DT

Logged By: ZM

Sampling Method: 2.25 MAC

SUBSURFACE PROFILE			SAMPLE		No Well Installed		
Depth (ft.)	Boring Profile	Description and Comments	Sample # Depth	Blow Counts		PID (ppm)	
0		Ground Surface					
		CONCRETE			-		0.0
		SP- (Loose) SAND (moist) Brown/Dark Brown, fine with trace gravel			-		0.0
2					-		0.0
					-		0.0
			SS-1	-	0.0		
4		CL- (Medium Stiff)SANDY CLAY (moist) Brown/Gray	3.5 ~ 4.5'	-	0.0		
				-	0.0		
6		CL- (Very Stiff) CLAY (moist) Brown		-	0.0		
				-	0.0		
				-	0.0		
				-	0.0		
8				-	0.0		
				-	0.0		
				-	0.0		
10		CL- (Medium Stiff) CLAY (moist) Gray, trace gravel		-	0.0		
				-	0.0		
				-	0.0		
12				-	0.0		
			-	0.0			
14			-	0.0			
			-	0.0			
16							

Completion Notes: EOB @ 15' bgs Hole filled with soil cuttings

- The indicated stratification lines are approximate in situ. The transitions between materials may be gradual.
- Boring backfilled with natural soils unless otherwise noted.



Well Log .

Project No.: 02-7403-1

Well No.: SB/TMW-2

Project Name: MANUFACTURING PROPERTY Date Drilled: 6/17/2014

Facility ID#:

Drill Rig: 6610-DT

Logged By: ZM

Sampling Method: 2.25 MAC

SUBSURFACE PROFILE			SAMPLE			Groundwater Well Completion Details
Depth (ft.)	Boring Profile	Description and Comments	Sample # Depth	Blow Counts	PID (ppm)	
0		Ground Surface				<p>1" PVC Casing</p> <p>1" 10-Slot PVC Screen</p> <p>Ground Surface</p> <p>3.0'</p> <p>Approximate Water Level (3.3')</p> <p>8.0'</p>
		CONCRETE		-	0.0	
		SP- (Loose) SAND (moist) Brown/Black, fine		-	0.0	
2				-	0.0	
				-	0.0	
4		SW- (Medium Dense) SAND (saturated) Brown, medium coarse		-	0.0	
		CL- (Medium Stiff) CLAY (moist) Gray, trace gravel		-	0.0	
6				-	0.0	
				-	0.0	
8				-	0.0	
			SS-1 8.0 ~ 9.0'	-	0.0	
10				-	0.0	
				-	0.0	
12				-	0.0	
				-	0.0	
14				-	0.0	
				-	0.0	
16						

Completion Notes: EOB @ 15' bgs Hole filled with soil cuttings

1. The indicated stratification lines are approximate in situ. The transitions between materials may be gradual.
2. Boring backfilled with natural soils unless otherwise noted



Boring Log .

Project No.: 02-7403-1

Boring No.: SB-3

Project Name: MANUFACTURING PROPERTY Date Drilled: 6/17/2014

Facility ID#:

Drill Rig: 6610-DT

Logged By: ZM

Sampling Method: 2.25 MAC

SUBSURFACE PROFILE			SAMPLE			No Well Installed
Depth (ft.)	Boring Profile	Description and Comments	Sample # Depth	Blow Counts	PID (ppm)	
0		Ground Surface				
		CONCRETE				
		SW- (Loose) SAND (moist) Brown, with trace gravel		-	0.0	
2				-	0.0	
				-	0.0	
4				-	0.0	
		CL- (Medium Stiff) CLAY (moist) Black/Green	SS-1 4.0 ~ 5.0'	-	0.0	
		CL- (Stiff) CLAY (moist) Brown		-	0.0	
6				-	0.0	
				-	0.0	
8				-	0.0	
				-	0.0	
10						

Completion Notes: EOB @ 10' bgs Hole filled with soil cuttings

- The indicated stratification lines are approximate in situ. The transitions between materials may be gradual.
- Boring backfilled with natural soils unless otherwise noted.



Boring Log .

Project No.: 02-7403-1

Boring No.: SB-4

Project Name: MANUFACTURING PROPERTY Date Drilled: 6/17/2014

Facility ID#:

Drill Rig: 6610-DT

Logged By: ZM

Sampling Method: 2.25 MAC

SUBSURFACE PROFILE			SAMPLE			No Well Installed
Depth (ft.)	Boring Profile	Description and Comments	Sample # Depth	Blow Counts	PID (ppm)	
0		Ground Surface				
		CONCRETE		-	0.0	
		SP- (Loose) SAND (moist) Brown, fine		-	15.7	
2				-	43.6	
			SS-1 3.0 ~ 4.0'	-	1140	
4		CL- (Medium Dense) CLAYEY SAND (moist) Gray/Black		-	69.3	
				-	24.4	
6		CL- (Stiff) CLAY (moist) Brown		-	4.5	
				-	0.0	
8				-	0.0	
			SS-2 9.0 ~ 10.0'	-	0.0	
10		CL- (Stiff) CLAY (moist) Gray		-	0.0	
				-	0.0	
				-	0.0	
12				-	0.0	
				-	0.0	
14				-	0.0	
				-	0.0	
16						

Completion Notes: EOB @ 15' bgs Hole filled with soil cuttings

1. The indicated stratification lines are approximate in situ.
The transitions between materials may be gradual.
2. Boring backfilled with natural soils unless otherwise noted.



Well Log .

Project No.: 02-7403-1

Well No.: SB/TMW-5

Project Name: MANUFACTURING PROPERTY Date Drilled: 6/17/2014

Facility ID#:

Drill Rig: 6610-DT

Logged By: ZM

Sampling Method: 2.25 MAC

SUBSURFACE PROFILE			SAMPLE			Groundwater Well Completion Details
Depth (ft.)	Boring Profile	Description and Comments	Sample # Depth	Blow Counts	PID (ppm)	
0		Ground Surface				<p>1" PVC Casing</p> <p>1" 10-Slot PVC Screen</p> <p>Ground Surface</p> <p>2.5'</p> <p>Approximate Water Level (2.86')</p> <p>7.5'</p>
		CONCRETE		-	0.0	
		SP- (Loose) SAND (moist) Brown, fine		-	0.0	
2				-	0.0	
				-	0.0	
4		SW- (Medium Dense) SAND (saturated) Brown/Gray, medium coarse		-	0.0	
		CL- (Stiff) CLAY (moist) Gray, trace gravel	SS-1 5.0 ~ 6.0'	-	0.0	
6				-	0.0	
				-	0.0	
8				-	0.0	
				-	0.0	
10				-	0.0	
				-	0.0	
12				-	0.0	
				-	0.0	
14				-	0.0	
				-	0.0	
16						

Completion Notes: EOB @ 15' bgs Hole filled with soil cuttings

- The indicated stratification lines are approximate in situ.
The transitions between materials may be gradual.
- Boring backfilled with natural soils unless otherwise noted



Boring Log .

Project No.: 02-7403-1

Boring No.: SB-6

Project Name: MANUFACTURING PROPERTY Date Drilled: 6/17/2014

Facility ID#:

Drill Rig: 6610-DT

Logged By: ZM

Sampling Method: 2.25 MAC

SUBSURFACE PROFILE			SAMPLE		No Well Installed	
Depth (ft.)	Boring Profile	Description and Comments	Sample # Depth	Blow Counts PID (ppm)		
0		Ground Surface				
		CONCRETE		-	0.0	
		SP- (Loose) SAND (moist)		-	0.0	
2		Brown, fine		-	2.3	
				-	5.3	
4		CL- (Stiff) CLAY (moist)	SS-1	-	6.9	
		Brown	4.0 ~ 5.0'	-	1.6	
6				-	1.4	
				-	0.0	
8				-	0.0	
		CL- (Stiff) CLAY (moist)		-	0.0	
10		Gray, trace gravel		-	0.0	
				-	0.0	
12				-	0.0	
				-	0.0	
14				-	0.0	
				-	0.0	
16				-	0.0	
				-	0.0	
18				-	0.0	
				-	0.0	
20						

Completion Notes: EOB @ 20' bgs Hole filled with soil cuttings

1. The indicated stratification lines are approximate in situ.
The transitions between materials may be gradual.
2. Boring backfilled with natural soils unless otherwise noted.



Well Log .

Project No.: 02-7403-1

Well No.: SB/TMW-7

Project Name: MANUFACTURING PROPERTY Date Drilled: 6/17/2014

Facility ID#:

Drill Rig: 6610-DT

Logged By: ZM

Sampling Method: 2.25 MAC

SUBSURFACE PROFILE			SAMPLE			Groundwater Well Completion Details
Depth (ft.)	Boring Profile	Description and Comments	Sample # Depth	Blow Counts	PID (ppm)	
0		Ground Surface				<p>1" PVC Casing</p> <p>1" 10-Slot PVC Screen</p> <p>Ground Surface</p> <p>Approximate Water Level (2.30')</p> <p>6.29'</p>
		CONCRETE		-	0.0	
		SP- (Loose) SAND (moist) Brown, fine		-	0.0	
2				-	0.0	
				-	0.0	
4		SW- (Loose) SAND (saturated) Brown, medium coarse		-	0.0	
		CL- (Stiff) CLAY (moist) Gray, trace gravel	SS-1 5.0 - 6.0'	-	0.0	
6				-	0.0	
				-	0.0	
8				-	0.0	
				-	0.0	
10				-	0.0	
				-	0.0	
12				-	0.0	
				-	0.0	
14				-	0.0	
				-	0.0	
16						

Completion Notes: EOB @ 15' bgs Hole filled with soil cuttings

- The indicated stratification lines are approximate in situ.
The transitions between materials may be gradual.
- Boring backfilled with natural soils unless otherwise noted



Boring Log .

Project No.: 02-7403-1

Boring No.: SB-8

Project Name: MANUFACTURING PROPERTY Date Drilled: 6/17/2014

Facility ID#:

Drill Rig: 6610-DT

Logged By: ZM

Sampling Method: 2.25 MAC

SUBSURFACE PROFILE			SAMPLE			No Well Installed
Depth (ft.)	Boring Profile	Description and Comments	Sample # Depth	Blow Counts	PID (ppm)	
0		Ground Surface				
		CONCRETE		-	0.0	
		SC- (Medium Dense) CLAYEY SAND (moist) Brown		-	0.0	
2				-	0.0	
				-	0.0	
4		CL- (Stiff) CLAY (moist) Gray, trace gravel	SS-1 4.0 ~ 5.0'	-	0.0	
				-	0.0	
6				-	0.0	
				-	0.0	
8				-	0.0	
			SS-2 9.0 ~ 10.0'	-	0.0	
10				-	0.0	
				-	0.0	
12				-	0.0	
				-	0.0	
14				-	0.0	
16						

Completion Notes: EOB @ 15' bgs Hole filled with soil cuttings

- The indicated stratification lines are approximate in situ.
The transitions between materials may be gradual.
- Boring backfilled with natural soils unless otherwise noted.



Well Log .

Project No.: 02-7403-1

Well No.: SB/TMW-9

Project Name: MANUFACTURING PROPERTY Date Drilled: 6/17/2014

Facility ID#:

Drill Rig: 6610-DT

Logged By: ZM

Sampling Method: 2.25 MAC

SUBSURFACE PROFILE			SAMPLE			Groundwater Well Completion Details
Depth (ft.)	Boring Profile	Description and Comments	Sample # Depth	Blow Counts	PID (ppm)	
0		Ground Surface				<p>1" PVC Casing</p> <p>1" 10-Slot PVC Screen</p> <p>Ground Surface</p> <p>2.65'</p> <p>7.65'</p> <p>Approximate Water Level (5.91')</p>
		CONCRETE		-	0.0	
		SP- (Loose) SAND (moist) Brown/Dark Brown, fine		-	0.0	
2				-	0.0	
		SW- (Dense) SAND (saturated) Brown, fine		-	0.0	
4				-	0.0	
		CL- (Stiff) CLAY (moist) Gray, trace gravel	SS-1 4.0 ~ 5.0'	-	0.0	
6				-	0.0	
				-	0.0	
8				-	0.0	
				-	0.0	
10				-	0.0	
				-	0.0	
12				-	0.0	
				-	0.0	
14				-	0.0	
				-	0.0	
16						

Completion Notes: EOB @ 15' bgs Hole filled with soil cuttings

- The indicated stratification lines are approximate in situ. The transitions between materials may be gradual.
- Boring backfilled with natural soils unless otherwise noted



Boring Log .

Project No.: 02-7403-1

Boring No.: SB-10

Project Name: MANUFACTURING PROPERTY Date Drilled: 6/17/2014

Facility ID#:

Drill Rig: 6610-DT

Logged By: ZM

Sampling Method: 2.25 MAC

SUBSURFACE PROFILE			SAMPLE			No Well Installed
Depth (ft.)	Boring Profile	Description and Comments	Sample # Depth	Blow Counts	PID (ppm)	
0		Ground Surface				
		CONCRETE		-	0.0	
		SP- (Loose) CLAYEY SAND (moist)		-	0.0	
2		Brown, fine		-	0.0	
		SC- (Medium Dense) CLAYEY SAND (moist)		-	0.0	
4		Black/Gray	SS-1 3.0 ~ 4.0'	-	0.0	
		CL- (Stiff) CLAY (moist)		-	0.0	
		Gray, trace gravel		-	0.0	
6				-	0.0	
				-	0.0	
8				-	0.0	
				-	0.0	
10			SS-2 9.0 ~ 10.0'	-	0.0	
				-	0.0	
12				-	0.0	
				-	0.0	
14				-	0.0	
				-	0.0	
16				-	0.0	
				-	0.0	
18				-	0.0	
				-	0.0	
20				-	0.0	

Completion Notes: EOB @ 20' bgs Hole filled with soil cuttings

1. The indicated stratification lines are approximate in situ.
The transitions between materials may be gradual.
2. Boring backfilled with natural soils unless otherwise noted.

Appendix D





Analytical Laboratory Report

Report ID: S61544.01(01)
Generated on 06/23/2014

Report to

Attention: Jamie Antoniewicz
PM Environmental, Inc.
4080 W. Eleven Mile
Berkley, MI 48072

Phone: 248-414-1414 FAX: 248-336-9989
Email: antoniewicz@pmenv.com

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:

Kevin George (kgeorge@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S61544.01-S61544.23
Project: 02-7403-1 / Manufacturing Prop.
Collected Date: 06/17/2014
Submitted Date/Time: 06/18/2014 15:30
Sampled by: Zach McCurley
P.O. #: 02-7403-1

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc..

Laboratory Certifications:

Michigan DNRE (#9956), DOD/ISO 17025 (#69699), WBENC (#2005110032), Ohio EPA (#CL0002)
IN Drinking Water (#C-MI-07), NELAC NY (#11814), NCDENR (#680), NC Drinking Water (#26702)
Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshak
Laboratory Director



Analytical Laboratory Report

Sample Summary (23 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S61544.01	SB-1 3.5-4.5	Soil	06/17/2014 09:10
S61544.02	SB-2 8-9	Soil	06/17/2014 13:30
S61544.03	SB-3 4-5	Soil	06/17/2014 12:15
S61544.04	SB-4 3-4	Soil	06/17/2014 13:50
S61544.05	SB-4 9-10	Soil	06/17/2014 14:00
S61544.06	SB-5 5-6	Soil	06/17/2014 10:40
S61544.07	SB-6 4-5	Soil	06/17/2014 11:45
S61544.08	SB-7 5-6	Soil	06/17/2014 10:00
S61544.09	SB-8 4-5	Soil	06/17/2014 10:20
S61544.10	SB-8 9-10	Soil	06/17/2014 10:25
S61544.11	SB-9 4-5	Soil	06/17/2014 09:35
S61544.12	SB-10 3-4	Soil	06/17/2014 13:00
S61544.13	SB-10 9-10	Soil	06/17/2014 13:10
S61544.14	TMW-2	Groundwater	06/17/2014 14:15
S61544.15	TMW-5	Groundwater	06/17/2014 11:55
S61544.16	TMW-7	Groundwater	06/17/2014 11:15
S61544.17	TMW-9	Groundwater	06/17/2014 10:15
S61544.18	A-1	Methanol	06/17/2014 00:01
S61544.19	A-2	Liquid	06/17/2014 00:01
S61544.20	A-3	Liquid	06/17/2014 00:01
S61544.21	A-4	Soil	06/17/2014 00:01
S61544.22	A-5	Liquid	06/17/2014 00:01
S61544.23	A-6	Liquid	06/17/2014 00:01



Analytical Laboratory Report

Lab Sample ID: S61544.01
Sample Tag: SB-1 3.5-4.5
Collected Date/Time: 06/17/2014 09:10
Matrix: Soil
COC Reference: 72306

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	5.2	IR
1	40ml Glass	MeOH	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	06/19/14 14:00	RGS		
Metal Digestion	Completed			SW3050B	06/23/14 09:30	JRH		
PNA Extraction	Completed			SW3550C	06/19/14 20:06	EMR		

Inorganics

Total Solids	84	%	1	Std M 2540 B	06/19/14 17:25	ASB		
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Metals

Cadmium	Not detected	mg/kg	0.20	SW6020A	06/23/14 13:22	JRH	7440-43-9	
Chromium	1.96	mg/kg	0.50	SW6020A	06/23/14 13:22	JRH	7440-47-3	
Lead	3.20	mg/kg	0.30	SW6020A	06/23/14 13:22	JRH	7439-92-1	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	06/20/14 11:13	JAN	12674-11-2	
PCB-1242	Not detected	ug/kg	330	SW8082A	06/20/14 11:13	JAN	53469-21-9	
PCB-1221	Not detected	ug/kg	330	SW8082A	06/20/14 11:13	JAN	11104-28-2	
PCB-1232	Not detected	ug/kg	330	SW8082A	06/20/14 11:13	JAN	11141-16-5	
PCB-1248	Not detected	ug/kg	330	SW8082A	06/20/14 11:13	JAN	12672-29-6	
PCB-1254	Not detected	ug/kg	330	SW8082A	06/20/14 11:13	JAN	11097-69-1	
PCB-1260	Not detected	ug/kg	330	SW8082A	06/20/14 11:13	JAN	11096-82-5	

Organics - Semi-Volatiles

Polynuclear Aromatics

Acenaphthene	Not detected	ug/kg	300	SW8270D	06/20/14 13:48	JGH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	SW8270D	06/20/14 13:48	JGH	208-96-8	
Anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 13:48	JGH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 13:48	JGH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 13:48	JGH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 13:48	JGH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 13:48	JGH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	SW8270D	06/20/14 13:48	JGH	191-24-2	
Chrysene	Not detected	ug/kg	300	SW8270D	06/20/14 13:48	JGH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 13:48	JGH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 13:48	JGH	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/20/14 13:48	JGH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 13:48	JGH	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 13:48	JGH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	SW8270D	06/20/14 13:48	JGH	85-01-8	
Pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 13:48	JGH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 13:48	JGH	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.01 (continued)

Sample Tag: SB-1 3.5-4.5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 13:16	WAT	60-29-7	
Acetone	Not detected	ug/kg	1,000	SW8260C/5035A	06/19/14 13:16	WAT	67-64-1	
Methyl iodide	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	74-88-4	
Carbon disulfide	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:16	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 13:16	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	1,100	SW8260C/5035A	06/19/14 13:16	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:16	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:16	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 13:16	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:16	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	1,000	SW8260C/5035A	06/19/14 13:16	WAT	109-99-9	
Chloroform	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	67-66-3	
Bromochloromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 13:16	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 13:16	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	56-23-5	
Benzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	75-27-4	
Dibromomethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:16	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	10061-01-5	
Toluene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260C/5035A	06/19/14 13:16	WAT	106-93-4	M
Chlorobenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	630-20-6	
Ethylbenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT		
o-Xylene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	95-47-6	
Styrene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:16	WAT	98-82-8	
Bromoform	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	79-34-5	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S61544.01 (continued)

Sample Tag: SB-1 3.5-4.5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	103-65-1	
Bromobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:16	WAT	526-73-8	
n-Butylbenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:16	WAT	104-51-8	
Hexachloroethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:16	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:16	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	490	SW8260C/5035A	06/19/14 13:16	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	490	SW8260C/5035A	06/19/14 13:16	WAT	87-61-6	
Naphthalene	Not detected	ug/kg	490	SW8260C/5035A	06/19/14 13:16	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	490	SW8260C/5035A	06/19/14 13:16	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.02
Sample Tag: SB-2 8-9
Collected Date/Time: 06/17/2014 13:30
Matrix: Soil
COC Reference: 72306

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	5.2	IR
1	40ml Glass	MeOH	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	06/19/14 14:00	RGS		
Metal Digestion	Completed			SW3050B	06/23/14 09:30	JRH		
PNA Extraction	Completed			SW3550C	06/19/14 20:06	EMR		

Inorganics

Total Solids	81	%	1	Std M 2540 B	06/19/14 17:25	ASB		
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Metals

Cadmium	Not detected	mg/kg	0.20	SW6020A	06/23/14 13:24	JRH	7440-43-9	
Chromium	2.46	mg/kg	0.50	SW6020A	06/23/14 13:24	JRH	7440-47-3	
Lead	7.12	mg/kg	0.30	SW6020A	06/23/14 13:24	JRH	7439-92-1	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	06/20/14 11:49	JAN	12674-11-2	
PCB-1242	Not detected	ug/kg	330	SW8082A	06/20/14 11:49	JAN	53469-21-9	
PCB-1221	Not detected	ug/kg	330	SW8082A	06/20/14 11:49	JAN	11104-28-2	
PCB-1232	Not detected	ug/kg	330	SW8082A	06/20/14 11:49	JAN	11141-16-5	
PCB-1248	Not detected	ug/kg	330	SW8082A	06/20/14 11:49	JAN	12672-29-6	
PCB-1254	Not detected	ug/kg	330	SW8082A	06/20/14 11:49	JAN	11097-69-1	
PCB-1260	Not detected	ug/kg	330	SW8082A	06/20/14 11:49	JAN	11096-82-5	

Organics - Semi-Volatiles

Polynuclear Aromatics

Acenaphthene	Not detected	ug/kg	300	SW8270D	06/20/14 14:55	JGH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	SW8270D	06/20/14 14:55	JGH	208-96-8	
Anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 14:55	JGH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 14:55	JGH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 14:55	JGH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 14:55	JGH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 14:55	JGH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	SW8270D	06/20/14 14:55	JGH	191-24-2	
Chrysene	Not detected	ug/kg	300	SW8270D	06/20/14 14:55	JGH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 14:55	JGH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 14:55	JGH	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/20/14 14:55	JGH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 14:55	JGH	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 14:55	JGH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	SW8270D	06/20/14 14:55	JGH	85-01-8	
Pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 14:55	JGH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 14:55	JGH	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.02 (continued)

Sample Tag: SB-2 8-9

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 13:36	WAT	60-29-7	
Acetone	Not detected	ug/kg	2,000	SW8260C/5035A	06/19/14 13:36	WAT	67-64-1	
Methyl iodide	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	74-88-4	
Carbon disulfide	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:36	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 13:36	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	1,300	SW8260C/5035A	06/19/14 13:36	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:36	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:36	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 13:36	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:36	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	2,000	SW8260C/5035A	06/19/14 13:36	WAT	109-99-9	
Chloroform	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	67-66-3	
Bromochloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 13:36	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 13:36	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	56-23-5	
Benzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	75-27-4	
Dibromomethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:36	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	10061-01-5	
Toluene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260C/5035A	06/19/14 13:36	WAT	106-93-4	M
Chlorobenzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	630-20-6	
Ethylbenzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT		
o-Xylene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	95-47-6	
Styrene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:36	WAT	98-82-8	
Bromoform	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	79-34-5	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S61544.02 (continued)

Sample Tag: SB-2 8-9

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	103-65-1	
Bromobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 13:36	WAT	526-73-8	
n-Butylbenzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 13:36	WAT	104-51-8	
Hexachloroethane	Not detected	ug/kg	500	SW8260C/5035A	06/19/14 13:36	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:36	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	560	SW8260C/5035A	06/19/14 13:36	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	560	SW8260C/5035A	06/19/14 13:36	WAT	87-61-6	
Naphthalene	Not detected	ug/kg	560	SW8260C/5035A	06/19/14 13:36	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	560	SW8260C/5035A	06/19/14 13:36	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.03
Sample Tag: SB-3 4-5
Collected Date/Time: 06/17/2014 12:15
Matrix: Soil
COC Reference: 72306

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	5.2	IR
1	40ml Glass	MeOH	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	06/19/14 14:00	RGS		
Metal Digestion	Completed			SW3050B	06/23/14 09:30	JRH		
PNA Extraction	Completed			SW3550C	06/19/14 20:06	EMR		

Inorganics

Total Solids	84	%	1	Std M 2540 B	06/19/14 17:25	ASB		
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Metals

Cadmium	Not detected	mg/kg	0.20	SW6020A	06/23/14 13:27	JRH	7440-43-9	
Chromium	2.37	mg/kg	0.50	SW6020A	06/23/14 13:27	JRH	7440-47-3	
Lead	6.86	mg/kg	0.30	SW6020A	06/23/14 13:27	JRH	7439-92-1	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	06/20/14 12:00	JAN	12674-11-2	
PCB-1242	Not detected	ug/kg	330	SW8082A	06/20/14 12:00	JAN	53469-21-9	
PCB-1221	Not detected	ug/kg	330	SW8082A	06/20/14 12:00	JAN	11104-28-2	
PCB-1232	Not detected	ug/kg	330	SW8082A	06/20/14 12:00	JAN	11141-16-5	
PCB-1248	Not detected	ug/kg	330	SW8082A	06/20/14 12:00	JAN	12672-29-6	
PCB-1254	Not detected	ug/kg	330	SW8082A	06/20/14 12:00	JAN	11097-69-1	
PCB-1260	Not detected	ug/kg	330	SW8082A	06/20/14 12:00	JAN	11096-82-5	

Organics - Semi-Volatiles

Polynuclear Aromatics

Acenaphthene	Not detected	ug/kg	300	SW8270D	06/20/14 15:18	JGH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	SW8270D	06/20/14 15:18	JGH	208-96-8	
Anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 15:18	JGH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 15:18	JGH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 15:18	JGH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 15:18	JGH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 15:18	JGH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	SW8270D	06/20/14 15:18	JGH	191-24-2	
Chrysene	Not detected	ug/kg	300	SW8270D	06/20/14 15:18	JGH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 15:18	JGH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 15:18	JGH	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/20/14 15:18	JGH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 15:18	JGH	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 15:18	JGH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	SW8270D	06/20/14 15:18	JGH	85-01-8	
Pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 15:18	JGH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 15:18	JGH	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.03 (continued)

Sample Tag: SB-3 4-5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 13:57	WAT	60-29-7	
Acetone	Not detected	ug/kg	1,000	SW8260C/5035A	06/19/14 13:57	WAT	67-64-1	
Methyl iodide	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	74-88-4	
Carbon disulfide	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:57	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 13:57	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	1,100	SW8260C/5035A	06/19/14 13:57	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:57	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:57	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 13:57	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:57	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	1,000	SW8260C/5035A	06/19/14 13:57	WAT	109-99-9	
Chloroform	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	67-66-3	
Bromochloromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 13:57	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 13:57	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	56-23-5	
Benzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	75-27-4	
Dibromomethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:57	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	10061-01-5	
Toluene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260C/5035A	06/19/14 13:57	WAT	106-93-4	M
Chlorobenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	630-20-6	
Ethylbenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT		
o-Xylene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	95-47-6	
Styrene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:57	WAT	98-82-8	
Bromoform	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	79-34-5	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S61544.03 (continued)

Sample Tag: SB-3 4-5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	103-65-1	
Bromobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 13:57	WAT	526-73-8	
n-Butylbenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 13:57	WAT	104-51-8	
Hexachloroethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:57	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 13:57	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	480	SW8260C/5035A	06/19/14 13:57	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	480	SW8260C/5035A	06/19/14 13:57	WAT	87-61-6	
Naphthalene	Not detected	ug/kg	480	SW8260C/5035A	06/19/14 13:57	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	480	SW8260C/5035A	06/19/14 13:57	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.04
Sample Tag: SB-4 3-4
Collected Date/Time: 06/17/2014 13:50
Matrix: Soil
COC Reference: 72306

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	5.2	IR
1	40ml Glass	MeOH	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	06/19/14 14:00	RGS		
Metal Digestion	Completed			SW3050B	06/23/14 09:30	JRH		
PNA Extraction	Completed			SW3550C	06/19/14 20:06	EMR		

Inorganics

Total Solids	81	%	1	Std M 2540 B	06/19/14 17:25	ASB		
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Metals

Cadmium	Not detected	mg/kg	0.20	SW6020A	06/23/14 13:29	JRH	7440-43-9	
Chromium	1.20	mg/kg	0.50	SW6020A	06/23/14 13:29	JRH	7440-47-3	
Lead	5.12	mg/kg	0.30	SW6020A	06/23/14 13:29	JRH	7439-92-1	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	06/20/14 14:49	JAN	12674-11-2	
PCB-1242	Not detected	ug/kg	330	SW8082A	06/20/14 14:49	JAN	53469-21-9	
PCB-1221	Not detected	ug/kg	330	SW8082A	06/20/14 14:49	JAN	11104-28-2	
PCB-1232	Not detected	ug/kg	330	SW8082A	06/20/14 14:49	JAN	11141-16-5	
PCB-1248	Not detected	ug/kg	330	SW8082A	06/20/14 14:49	JAN	12672-29-6	
PCB-1254	Not detected	ug/kg	330	SW8082A	06/20/14 14:49	JAN	11097-69-1	
PCB-1260	Not detected	ug/kg	330	SW8082A	06/20/14 14:49	JAN	11096-82-5	

Organics - Semi-Volatiles

Polynuclear Aromatics

Acenaphthene	Not detected	ug/kg	300	SW8270D	06/20/14 15:40	JGH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	SW8270D	06/20/14 15:40	JGH	208-96-8	
Anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 15:40	JGH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 15:40	JGH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 15:40	JGH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 15:40	JGH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 15:40	JGH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	SW8270D	06/20/14 15:40	JGH	191-24-2	
Chrysene	Not detected	ug/kg	300	SW8270D	06/20/14 15:40	JGH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 15:40	JGH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 15:40	JGH	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/20/14 15:40	JGH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 15:40	JGH	193-39-5	
Naphthalene	300	ug/kg	300	SW8270D	06/20/14 15:40	JGH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	SW8270D	06/20/14 15:40	JGH	85-01-8	
Pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 15:40	JGH	129-00-0	
2-Methylnaphthalene	400	ug/kg	300	SW8270D	06/20/14 15:40	JGH	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.04 (continued)

Sample Tag: SB-4 3-4

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 14:18	WAT	60-29-7	
Acetone	Not detected	ug/kg	2,000	SW8260C/5035A	06/19/14 14:18	WAT	67-64-1	
Methyl iodide	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	74-88-4	
Carbon disulfide	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 14:18	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 14:18	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	1,100	SW8260C/5035A	06/19/14 14:18	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 14:18	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 14:18	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 14:18	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 14:18	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	2,000	SW8260C/5035A	06/19/14 14:18	WAT	109-99-9	
Chloroform	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	67-66-3	
Bromochloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 14:18	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 14:18	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	56-23-5	
Benzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	75-27-4	
Dibromomethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 14:18	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	10061-01-5	
Toluene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260C/5035A	06/19/14 14:18	WAT	106-93-4	M
Chlorobenzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	630-20-6	
Ethylbenzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT		
o-Xylene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	95-47-6	
Styrene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 14:18	WAT	98-82-8	
Bromoform	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	79-34-5	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S61544.04 (continued)

Sample Tag: SB-4 3-4

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	96-18-4	
n-Propylbenzene	200	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	103-65-1	
Bromobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	95-63-6	
sec-Butylbenzene	560	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:18	WAT	526-73-8	
n-Butylbenzene	1,420	ug/kg	80	SW8260C/5035A	06/19/14 14:18	WAT	104-51-8	
Hexachloroethane	Not detected	ug/kg	500	SW8260C/5035A	06/19/14 14:18	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 14:18	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	500	SW8260C/5035A	06/19/14 14:18	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	500	SW8260C/5035A	06/19/14 14:18	WAT	87-61-6	
Naphthalene	1,600	ug/kg	500	SW8260C/5035A	06/19/14 14:18	WAT	91-20-3	
2-Methylnaphthalene	2,140	ug/kg	500	SW8260C/5035A	06/19/14 14:18	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.05
Sample Tag: SB-4 9-10
Collected Date/Time: 06/17/2014 14:00
Matrix: Soil
COC Reference: 72306

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	5.2	IR
1	40ml Glass	MeOH	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			SW3550C	06/19/14 14:00	RGS		
Metal Digestion	Completed			SW3050B	06/23/14 09:30	JRH		
PNA Extraction	Completed			SW3550C	06/19/14 20:06	EMR		
Inorganics								
Total Solids	86	%	1	Std M 2540 B	06/19/14 17:25	ASB		
Metals								
Cadmium	Not detected	mg/kg	0.20	SW6020A	06/23/14 13:31	JRH	7440-43-9	
Chromium	4.12	mg/kg	0.50	SW6020A	06/23/14 13:31	JRH	7440-47-3	
Lead	5.91	mg/kg	0.30	SW6020A	06/23/14 13:31	JRH	7439-92-1	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	SW8082A	06/20/14 12:20	JAN	12674-11-2	
PCB-1242	Not detected	ug/kg	330	SW8082A	06/20/14 12:20	JAN	53469-21-9	
PCB-1221	Not detected	ug/kg	330	SW8082A	06/20/14 12:20	JAN	11104-28-2	
PCB-1232	Not detected	ug/kg	330	SW8082A	06/20/14 12:20	JAN	11141-16-5	
PCB-1248	Not detected	ug/kg	330	SW8082A	06/20/14 12:20	JAN	12672-29-6	
PCB-1254	Not detected	ug/kg	330	SW8082A	06/20/14 12:20	JAN	11097-69-1	
PCB-1260	Not detected	ug/kg	330	SW8082A	06/20/14 12:20	JAN	11096-82-5	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	06/20/14 16:02	JGH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	SW8270D	06/20/14 16:02	JGH	208-96-8	
Anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 16:02	JGH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 16:02	JGH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 16:02	JGH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 16:02	JGH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 16:02	JGH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	SW8270D	06/20/14 16:02	JGH	191-24-2	
Chrysene	Not detected	ug/kg	300	SW8270D	06/20/14 16:02	JGH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 16:02	JGH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 16:02	JGH	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/20/14 16:02	JGH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 16:02	JGH	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 16:02	JGH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	SW8270D	06/20/14 16:02	JGH	85-01-8	
Pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 16:02	JGH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 16:02	JGH	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.05 (continued)

Sample Tag: SB-4 9-10

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 14:39	WAT	60-29-7	
Acetone	Not detected	ug/kg	1,000	SW8260C/5035A	06/19/14 14:39	WAT	67-64-1	
Methyl iodide	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	74-88-4	
Carbon disulfide	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 14:39	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 14:39	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	1,100	SW8260C/5035A	06/19/14 14:39	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 14:39	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 14:39	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 14:39	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 14:39	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	1,000	SW8260C/5035A	06/19/14 14:39	WAT	109-99-9	
Chloroform	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	67-66-3	
Bromochloromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 14:39	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 14:39	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	56-23-5	
Benzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	75-27-4	
Dibromomethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 14:39	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	10061-01-5	
Toluene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260C/5035A	06/19/14 14:39	WAT	106-93-4	M
Chlorobenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	630-20-6	
Ethylbenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT		
o-Xylene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	95-47-6	
Styrene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 14:39	WAT	98-82-8	
Bromoform	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	79-34-5	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S61544.05 (continued)

Sample Tag: SB-4 9-10

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	103-65-1	
Bromobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 14:39	WAT	526-73-8	
n-Butylbenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 14:39	WAT	104-51-8	
Hexachloroethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 14:39	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 14:39	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	480	SW8260C/5035A	06/19/14 14:39	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	480	SW8260C/5035A	06/19/14 14:39	WAT	87-61-6	
Naphthalene	Not detected	ug/kg	480	SW8260C/5035A	06/19/14 14:39	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	480	SW8260C/5035A	06/19/14 14:39	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.06
Sample Tag: SB-5 5-6
Collected Date/Time: 06/17/2014 10:40
Matrix: Soil
COC Reference: 72306

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	5.2	IR
1	40ml Glass	MeOH	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	06/19/14 14:00	RGS		
Metal Digestion	Completed			SW3050B	06/23/14 09:30	JRH		
PNA Extraction	Completed			SW3550C	06/19/14 20:06	EMR		

Inorganics

Total Solids	75	%	1	Std M 2540 B	06/19/14 17:25	ASB		
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Metals

Cadmium	Not detected	mg/kg	0.20	SW6020A	06/23/14 13:33	JRH	7440-43-9	
Chromium	2.67	mg/kg	0.50	SW6020A	06/23/14 13:33	JRH	7440-47-3	
Lead	3.83	mg/kg	0.30	SW6020A	06/23/14 13:33	JRH	7439-92-1	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	06/20/14 12:31	JAN	12674-11-2	
PCB-1242	Not detected	ug/kg	330	SW8082A	06/20/14 12:31	JAN	53469-21-9	
PCB-1221	Not detected	ug/kg	330	SW8082A	06/20/14 12:31	JAN	11104-28-2	
PCB-1232	Not detected	ug/kg	330	SW8082A	06/20/14 12:31	JAN	11141-16-5	
PCB-1248	Not detected	ug/kg	330	SW8082A	06/20/14 12:31	JAN	12672-29-6	
PCB-1254	Not detected	ug/kg	330	SW8082A	06/20/14 12:31	JAN	11097-69-1	
PCB-1260	Not detected	ug/kg	330	SW8082A	06/20/14 12:31	JAN	11096-82-5	

Organics - Semi-Volatiles

Polynuclear Aromatics

Acenaphthene	Not detected	ug/kg	300	SW8270D	06/20/14 16:25	JGH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	SW8270D	06/20/14 16:25	JGH	208-96-8	
Anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 16:25	JGH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 16:25	JGH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 16:25	JGH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 16:25	JGH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 16:25	JGH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	SW8270D	06/20/14 16:25	JGH	191-24-2	
Chrysene	Not detected	ug/kg	300	SW8270D	06/20/14 16:25	JGH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 16:25	JGH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 16:25	JGH	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/20/14 16:25	JGH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 16:25	JGH	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 16:25	JGH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	SW8270D	06/20/14 16:25	JGH	85-01-8	
Pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 16:25	JGH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 16:25	JGH	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.06 (continued)

Sample Tag: SB-5 5-6

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 14:59	WAT	60-29-7	
Acetone	Not detected	ug/kg	2,000	SW8260C/5035A	06/19/14 14:59	WAT	67-64-1	
Methyl iodide	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	74-88-4	
Carbon disulfide	Not detected	ug/kg	500	SW8260C/5035A	06/19/14 14:59	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 14:59	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	1,400	SW8260C/5035A	06/19/14 14:59	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	500	SW8260C/5035A	06/19/14 14:59	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	500	SW8260C/5035A	06/19/14 14:59	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 14:59	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	500	SW8260C/5035A	06/19/14 14:59	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	2,000	SW8260C/5035A	06/19/14 14:59	WAT	109-99-9	
Chloroform	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	67-66-3	
Bromochloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	5,000	SW8260C/5035A	06/19/14 14:59	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	5,000	SW8260C/5035A	06/19/14 14:59	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	56-23-5	
Benzene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	75-27-4	
Dibromomethane	Not detected	ug/kg	500	SW8260C/5035A	06/19/14 14:59	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	10061-01-5	
Toluene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	40	SW8260C/5035A	06/19/14 14:59	WAT	106-93-4	M
Chlorobenzene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	630-20-6	
Ethylbenzene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT		
o-Xylene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	95-47-6	
Styrene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	500	SW8260C/5035A	06/19/14 14:59	WAT	98-82-8	
Bromoform	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	79-34-5	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S61544.06 (continued)

Sample Tag: SB-5 5-6

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	103-65-1	
Bromobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 14:59	WAT	526-73-8	
n-Butylbenzene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 14:59	WAT	104-51-8	
Hexachloroethane	Not detected	ug/kg	600	SW8260C/5035A	06/19/14 14:59	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	500	SW8260C/5035A	06/19/14 14:59	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	620	SW8260C/5035A	06/19/14 14:59	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	620	SW8260C/5035A	06/19/14 14:59	WAT	87-61-6	
Naphthalene	Not detected	ug/kg	620	SW8260C/5035A	06/19/14 14:59	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	620	SW8260C/5035A	06/19/14 14:59	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.07
Sample Tag: SB-6 4-5
Collected Date/Time: 06/17/2014 11:45
Matrix: Soil
COC Reference: 72306

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	5.2	IR
1	40ml Glass	MeOH	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Extraction, PCB	Completed			SW3550C	06/19/14 14:00	RGS		
Metal Digestion	Completed			SW3050B	06/23/14 09:30	JRH		
PNA Extraction	Completed			SW3550C	06/19/14 20:06	EMR		
Inorganics								
Total Solids	83	%	1	Std M 2540 B	06/19/14 17:25	ASB		
Metals								
Cadmium	0.25	mg/kg	0.20	SW6020A	06/23/14 13:35	JRH	7440-43-9	
Chromium	4.93	mg/kg	0.50	SW6020A	06/23/14 13:35	JRH	7440-47-3	
Lead	6.64	mg/kg	0.30	SW6020A	06/23/14 13:35	JRH	7439-92-1	
Organics - PCBs/Pesticides								
PCB List								
PCB-1016	Not detected	ug/kg	330	SW8082A	06/20/14 12:41	JAN	12674-11-2	
PCB-1242	Not detected	ug/kg	330	SW8082A	06/20/14 12:41	JAN	53469-21-9	
PCB-1221	Not detected	ug/kg	330	SW8082A	06/20/14 12:41	JAN	11104-28-2	
PCB-1232	Not detected	ug/kg	330	SW8082A	06/20/14 12:41	JAN	11141-16-5	
PCB-1248	Not detected	ug/kg	330	SW8082A	06/20/14 12:41	JAN	12672-29-6	
PCB-1254	Not detected	ug/kg	330	SW8082A	06/20/14 12:41	JAN	11097-69-1	
PCB-1260	Not detected	ug/kg	330	SW8082A	06/20/14 12:41	JAN	11096-82-5	
Organics - Semi-Volatiles								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	06/20/14 16:47	JGH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	SW8270D	06/20/14 16:47	JGH	208-96-8	
Anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 16:47	JGH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 16:47	JGH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 16:47	JGH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 16:47	JGH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 16:47	JGH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	SW8270D	06/20/14 16:47	JGH	191-24-2	
Chrysene	Not detected	ug/kg	300	SW8270D	06/20/14 16:47	JGH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 16:47	JGH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 16:47	JGH	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/20/14 16:47	JGH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 16:47	JGH	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 16:47	JGH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	SW8270D	06/20/14 16:47	JGH	85-01-8	
Pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 16:47	JGH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 16:47	JGH	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.07 (continued)

Sample Tag: SB-6 4-5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 15:20	WAT	60-29-7	
Acetone	Not detected	ug/kg	2,000	SW8260C/5035A	06/19/14 15:20	WAT	67-64-1	
Methyl iodide	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	74-88-4	
Carbon disulfide	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 15:20	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 15:20	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	1,200	SW8260C/5035A	06/19/14 15:20	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 15:20	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 15:20	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 15:20	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 15:20	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	75-09-2	
trans-1,2-Dichloroethene	210	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	75-34-3	
cis-1,2-Dichloroethene	2,140	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	2,000	SW8260C/5035A	06/19/14 15:20	WAT	109-99-9	
Chloroform	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	67-66-3	
Bromochloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 15:20	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 15:20	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	56-23-5	
Benzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	75-27-4	
Dibromomethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 15:20	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	10061-01-5	
Toluene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260C/5035A	06/19/14 15:20	WAT	106-93-4	M
Chlorobenzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	630-20-6	
Ethylbenzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT		
o-Xylene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	95-47-6	
Styrene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 15:20	WAT	98-82-8	
Bromoform	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	79-34-5	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S61544.07 (continued)

Sample Tag: SB-6 4-5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	103-65-1	
Bromobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:20	WAT	526-73-8	
n-Butylbenzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 15:20	WAT	104-51-8	
Hexachloroethane	Not detected	ug/kg	500	SW8260C/5035A	06/19/14 15:20	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 15:20	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	540	SW8260C/5035A	06/19/14 15:20	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	540	SW8260C/5035A	06/19/14 15:20	WAT	87-61-6	
Naphthalene	Not detected	ug/kg	540	SW8260C/5035A	06/19/14 15:20	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	540	SW8260C/5035A	06/19/14 15:20	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.08
Sample Tag: SB-7 5-6
Collected Date/Time: 06/17/2014 10:00
Matrix: Soil
COC Reference: 72306

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	5.2	IR
1	40ml Glass	MeOH	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	06/19/14 14:00	RGS		
Metal Digestion	Completed			SW3050B	06/23/14 09:30	JRH		
PNA Extraction	Completed			SW3550C	06/19/14 20:06	EMR		

Inorganics

Total Solids	77	%	1	Std M 2540 B	06/19/14 17:25	ASB		
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Metals

Cadmium	Not detected	mg/kg	0.20	SW6020A	06/23/14 13:37	JRH	7440-43-9	
Chromium	2.57	mg/kg	0.50	SW6020A	06/23/14 13:37	JRH	7440-47-3	
Lead	4.24	mg/kg	0.30	SW6020A	06/23/14 13:37	JRH	7439-92-1	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	06/20/14 12:52	JAN	12674-11-2	
PCB-1242	Not detected	ug/kg	330	SW8082A	06/20/14 12:52	JAN	53469-21-9	
PCB-1221	Not detected	ug/kg	330	SW8082A	06/20/14 12:52	JAN	11104-28-2	
PCB-1232	Not detected	ug/kg	330	SW8082A	06/20/14 12:52	JAN	11141-16-5	
PCB-1248	Not detected	ug/kg	330	SW8082A	06/20/14 12:52	JAN	12672-29-6	
PCB-1254	Not detected	ug/kg	330	SW8082A	06/20/14 12:52	JAN	11097-69-1	
PCB-1260	Not detected	ug/kg	330	SW8082A	06/20/14 12:52	JAN	11096-82-5	

Organics - Semi-Volatiles

Polynuclear Aromatics

Acenaphthene	Not detected	ug/kg	300	SW8270D	06/20/14 17:09	JGH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	SW8270D	06/20/14 17:09	JGH	208-96-8	
Anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 17:09	JGH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 17:09	JGH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 17:09	JGH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 17:09	JGH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 17:09	JGH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	SW8270D	06/20/14 17:09	JGH	191-24-2	
Chrysene	Not detected	ug/kg	300	SW8270D	06/20/14 17:09	JGH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 17:09	JGH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 17:09	JGH	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/20/14 17:09	JGH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 17:09	JGH	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 17:09	JGH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	SW8270D	06/20/14 17:09	JGH	85-01-8	
Pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 17:09	JGH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 17:09	JGH	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.08 (continued)

Sample Tag: SB-7 5-6

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 15:41	WAT	60-29-7	
Acetone	Not detected	ug/kg	2,000	SW8260C/5035A	06/19/14 15:41	WAT	67-64-1	
Methyl iodide	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	74-88-4	
Carbon disulfide	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 15:41	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 15:41	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	1,300	SW8260C/5035A	06/19/14 15:41	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 15:41	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 15:41	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 15:41	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 15:41	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	2,000	SW8260C/5035A	06/19/14 15:41	WAT	109-99-9	
Chloroform	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	67-66-3	
Bromochloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 15:41	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 15:41	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	56-23-5	
Benzene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	75-27-4	
Dibromomethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 15:41	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	10061-01-5	
Toluene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	40	SW8260C/5035A	06/19/14 15:41	WAT	106-93-4	M
Chlorobenzene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	630-20-6	
Ethylbenzene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT		
o-Xylene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	95-47-6	
Styrene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 15:41	WAT	98-82-8	
Bromoform	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	79-34-5	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S61544.08 (continued)

Sample Tag: SB-7 5-6

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	103-65-1	
Bromobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 15:41	WAT	526-73-8	
n-Butylbenzene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 15:41	WAT	104-51-8	
Hexachloroethane	Not detected	ug/kg	500	SW8260C/5035A	06/19/14 15:41	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 15:41	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	580	SW8260C/5035A	06/19/14 15:41	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	580	SW8260C/5035A	06/19/14 15:41	WAT	87-61-6	
Naphthalene	Not detected	ug/kg	580	SW8260C/5035A	06/19/14 15:41	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	580	SW8260C/5035A	06/19/14 15:41	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.09
Sample Tag: SB-8 4-5
Collected Date/Time: 06/17/2014 10:20
Matrix: Soil
COC Reference: 72306

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	5.2	IR
1	40ml Glass	MeOH	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	06/19/14 14:00	RGS		
Metal Digestion	Completed			SW3050B	06/23/14 09:30	JRH		
PNA Extraction	Completed			SW3550C	06/19/14 20:06	EMR		

Inorganics

Total Solids	84	%	1	Std M 2540 B	06/19/14 17:25	ASB		
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Metals

Cadmium	Not detected	mg/kg	0.20	SW6020A	06/23/14 13:39	JRH	7440-43-9	
Chromium	2.49	mg/kg	0.50	SW6020A	06/23/14 13:39	JRH	7440-47-3	
Lead	3.80	mg/kg	0.30	SW6020A	06/23/14 13:39	JRH	7439-92-1	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	06/20/14 13:02	JAN	12674-11-2	
PCB-1242	Not detected	ug/kg	330	SW8082A	06/20/14 13:02	JAN	53469-21-9	
PCB-1221	Not detected	ug/kg	330	SW8082A	06/20/14 13:02	JAN	11104-28-2	
PCB-1232	Not detected	ug/kg	330	SW8082A	06/20/14 13:02	JAN	11141-16-5	
PCB-1248	Not detected	ug/kg	330	SW8082A	06/20/14 13:02	JAN	12672-29-6	
PCB-1254	Not detected	ug/kg	330	SW8082A	06/20/14 13:02	JAN	11097-69-1	
PCB-1260	Not detected	ug/kg	330	SW8082A	06/20/14 13:02	JAN	11096-82-5	

Organics - Semi-Volatiles

Polynuclear Aromatics

Acenaphthene	Not detected	ug/kg	300	SW8270D	06/20/14 17:32	JGH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	SW8270D	06/20/14 17:32	JGH	208-96-8	
Anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 17:32	JGH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 17:32	JGH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 17:32	JGH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 17:32	JGH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 17:32	JGH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	SW8270D	06/20/14 17:32	JGH	191-24-2	
Chrysene	Not detected	ug/kg	300	SW8270D	06/20/14 17:32	JGH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 17:32	JGH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 17:32	JGH	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/20/14 17:32	JGH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 17:32	JGH	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 17:32	JGH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	SW8270D	06/20/14 17:32	JGH	85-01-8	
Pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 17:32	JGH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 17:32	JGH	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.09 (continued)

Sample Tag: SB-8 4-5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 16:01	WAT	60-29-7	
Acetone	Not detected	ug/kg	1,000	SW8260C/5035A	06/19/14 16:01	WAT	67-64-1	
Methyl iodide	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	74-88-4	
Carbon disulfide	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 16:01	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 16:01	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	1,000	SW8260C/5035A	06/19/14 16:01	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 16:01	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 16:01	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 16:01	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 16:01	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	1,000	SW8260C/5035A	06/19/14 16:01	WAT	109-99-9	
Chloroform	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	67-66-3	
Bromochloromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	SW8260C/5035A	06/19/14 16:01	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	3,000	SW8260C/5035A	06/19/14 16:01	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	56-23-5	
Benzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	75-27-4	
Dibromomethane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 16:01	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	10061-01-5	
Toluene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260C/5035A	06/19/14 16:01	WAT	106-93-4	M
Chlorobenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	630-20-6	
Ethylbenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT		
o-Xylene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	95-47-6	
Styrene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 16:01	WAT	98-82-8	
Bromoform	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	79-34-5	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S61544.09 (continued)

Sample Tag: SB-8 4-5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	103-65-1	
Bromobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 16:01	WAT	526-73-8	
n-Butylbenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 16:01	WAT	104-51-8	
Hexachloroethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 16:01	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 16:01	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	450	SW8260C/5035A	06/19/14 16:01	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	450	SW8260C/5035A	06/19/14 16:01	WAT	87-61-6	
Naphthalene	Not detected	ug/kg	450	SW8260C/5035A	06/19/14 16:01	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	450	SW8260C/5035A	06/19/14 16:01	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.10

Sample Tag: SB-8 9-10

Collected Date/Time: 06/17/2014 10:25

Matrix: Soil

COC Reference: 72306

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	5.2	IR
1	40ml Glass	MeOH	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				06/19/14 14:30	KAG		



Analytical Laboratory Report

Lab Sample ID: S61544.11
Sample Tag: SB-9 4-5
Collected Date/Time: 06/17/2014 09:35
Matrix: Soil
COC Reference: 72306

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	5.2	IR
1	40ml Glass	MeOH	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	06/19/14 14:00	RGS		
Metal Digestion	Completed			SW3050B	06/23/14 09:30	JRH		
PNA Extraction	Completed			SW3550C	06/19/14 20:06	EMR		

Inorganics

Total Solids	77	%	1	Std M 2540 B	06/19/14 17:25	ASB		
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Metals

Cadmium	Not detected	mg/kg	0.20	SW6020A	06/23/14 13:41	JRH	7440-43-9	
Chromium	3.08	mg/kg	0.50	SW6020A	06/23/14 13:41	JRH	7440-47-3	
Lead	5.11	mg/kg	0.30	SW6020A	06/23/14 13:41	JRH	7439-92-1	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	06/20/14 13:13	JAN	12674-11-2	
PCB-1242	Not detected	ug/kg	330	SW8082A	06/20/14 13:13	JAN	53469-21-9	
PCB-1221	Not detected	ug/kg	330	SW8082A	06/20/14 13:13	JAN	11104-28-2	
PCB-1232	Not detected	ug/kg	330	SW8082A	06/20/14 13:13	JAN	11141-16-5	
PCB-1248	Not detected	ug/kg	330	SW8082A	06/20/14 13:13	JAN	12672-29-6	
PCB-1254	Not detected	ug/kg	330	SW8082A	06/20/14 13:13	JAN	11097-69-1	
PCB-1260	Not detected	ug/kg	330	SW8082A	06/20/14 13:13	JAN	11096-82-5	

Organics - Semi-Volatiles

Polynuclear Aromatics

Acenaphthene	Not detected	ug/kg	300	SW8270D	06/20/14 17:54	JGH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	SW8270D	06/20/14 17:54	JGH	208-96-8	
Anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 17:54	JGH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 17:54	JGH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 17:54	JGH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 17:54	JGH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 17:54	JGH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	SW8270D	06/20/14 17:54	JGH	191-24-2	
Chrysene	Not detected	ug/kg	300	SW8270D	06/20/14 17:54	JGH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 17:54	JGH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 17:54	JGH	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/20/14 17:54	JGH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 17:54	JGH	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 17:54	JGH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	SW8270D	06/20/14 17:54	JGH	85-01-8	
Pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 17:54	JGH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 17:54	JGH	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.11 (continued)

Sample Tag: SB-9 4-5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 16:22	WAT	60-29-7	
Acetone	Not detected	ug/kg	2,000	SW8260C/5035A	06/19/14 16:22	WAT	67-64-1	
Methyl iodide	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	74-88-4	
Carbon disulfide	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 16:22	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 16:22	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	1,300	SW8260C/5035A	06/19/14 16:22	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 16:22	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 16:22	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 16:22	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 16:22	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	2,000	SW8260C/5035A	06/19/14 16:22	WAT	109-99-9	
Chloroform	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	67-66-3	
Bromochloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 16:22	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 16:22	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	56-23-5	
Benzene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	75-27-4	
Dibromomethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 16:22	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	10061-01-5	
Toluene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260C/5035A	06/19/14 16:22	WAT	106-93-4	M
Chlorobenzene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	630-20-6	
Ethylbenzene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT		
o-Xylene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	95-47-6	
Styrene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 16:22	WAT	98-82-8	
Bromoform	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	79-34-5	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S61544.11 (continued)

Sample Tag: SB-9 4-5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	103-65-1	
Bromobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:22	WAT	526-73-8	
n-Butylbenzene	Not detected	ug/kg	90	SW8260C/5035A	06/19/14 16:22	WAT	104-51-8	
Hexachloroethane	Not detected	ug/kg	500	SW8260C/5035A	06/19/14 16:22	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 16:22	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	570	SW8260C/5035A	06/19/14 16:22	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	570	SW8260C/5035A	06/19/14 16:22	WAT	87-61-6	
Naphthalene	Not detected	ug/kg	570	SW8260C/5035A	06/19/14 16:22	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	570	SW8260C/5035A	06/19/14 16:22	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.12
Sample Tag: SB-10 3-4
Collected Date/Time: 06/17/2014 13:00
Matrix: Soil
COC Reference: 72306

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	5.2	IR
1	40ml Glass	MeOH	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	06/19/14 14:00	RGS		
Metal Digestion	Completed			SW3050B	06/23/14 09:30	JRH		
PNA Extraction	Completed			SW3550C	06/19/14 20:06	EMR		

Inorganics

Total Solids	86	%	1	Std M 2540 B	06/19/14 17:25	ASB		
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Metals

Cadmium	Not detected	mg/kg	0.20	SW6020A	06/23/14 13:54	JRH	7440-43-9	
Chromium	1.53	mg/kg	0.50	SW6020A	06/23/14 13:54	JRH	7440-47-3	
Lead	4.16	mg/kg	0.30	SW6020A	06/23/14 13:54	JRH	7439-92-1	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	06/20/14 13:23	JAN	12674-11-2	
PCB-1242	Not detected	ug/kg	330	SW8082A	06/20/14 13:23	JAN	53469-21-9	
PCB-1221	Not detected	ug/kg	330	SW8082A	06/20/14 13:23	JAN	11104-28-2	
PCB-1232	Not detected	ug/kg	330	SW8082A	06/20/14 13:23	JAN	11141-16-5	
PCB-1248	Not detected	ug/kg	330	SW8082A	06/20/14 13:23	JAN	12672-29-6	
PCB-1254	Not detected	ug/kg	330	SW8082A	06/20/14 13:23	JAN	11097-69-1	
PCB-1260	Not detected	ug/kg	330	SW8082A	06/20/14 13:23	JAN	11096-82-5	

Organics - Semi-Volatiles

Polynuclear Aromatics

Acenaphthene	Not detected	ug/kg	300	SW8270D	06/20/14 18:16	JGH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	SW8270D	06/20/14 18:16	JGH	208-96-8	
Anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 18:16	JGH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 18:16	JGH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 18:16	JGH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 18:16	JGH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 18:16	JGH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	SW8270D	06/20/14 18:16	JGH	191-24-2	
Chrysene	Not detected	ug/kg	300	SW8270D	06/20/14 18:16	JGH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 18:16	JGH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 18:16	JGH	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/20/14 18:16	JGH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 18:16	JGH	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 18:16	JGH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	SW8270D	06/20/14 18:16	JGH	85-01-8	
Pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 18:16	JGH	129-00-0	
2-Methylnaphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 18:16	JGH	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.12 (continued)

Sample Tag: SB-10 3-4

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 16:42	WAT	60-29-7	
Acetone	Not detected	ug/kg	2,000	SW8260C/5035A	06/19/14 16:42	WAT	67-64-1	
Methyl iodide	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	74-88-4	
Carbon disulfide	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 16:42	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 16:42	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	1,200	SW8260C/5035A	06/19/14 16:42	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 16:42	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 16:42	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 16:42	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 16:42	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	2,000	SW8260C/5035A	06/19/14 16:42	WAT	109-99-9	
Chloroform	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	67-66-3	
Bromochloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 16:42	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 16:42	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	56-23-5	
Benzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	75-27-4	
Dibromomethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 16:42	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	10061-01-5	
Toluene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260C/5035A	06/19/14 16:42	WAT	106-93-4	M
Chlorobenzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	630-20-6	
Ethylbenzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT		
o-Xylene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	95-47-6	
Styrene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 16:42	WAT	98-82-8	
Bromoform	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	79-34-5	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S61544.12 (continued)

Sample Tag: SB-10 3-4

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	103-65-1	
Bromobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 16:42	WAT	526-73-8	
n-Butylbenzene	Not detected	ug/kg	80	SW8260C/5035A	06/19/14 16:42	WAT	104-51-8	
Hexachloroethane	Not detected	ug/kg	500	SW8260C/5035A	06/19/14 16:42	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 16:42	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	530	SW8260C/5035A	06/19/14 16:42	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	530	SW8260C/5035A	06/19/14 16:42	WAT	87-61-6	
Naphthalene	Not detected	ug/kg	530	SW8260C/5035A	06/19/14 16:42	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	530	SW8260C/5035A	06/19/14 16:42	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.13
Sample Tag: SB-10 9-10
Collected Date/Time: 06/17/2014 13:10
Matrix: Soil
COC Reference: 72307

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	5.2	IR
1	40ml Glass	MeOH	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Other / Misc.								
Hold until notified	Completed				06/19/14 14:30	KAG		



Analytical Laboratory Report

Lab Sample ID: S61544.14
Sample Tag: TMW-2
Collected Date/Time: 06/17/2014 14:15
Matrix: Groundwater
COC Reference: 72307

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Amber	None	Yes	5.2	IR
3	40ml Glass	HCL	Yes	5.2	IR
1	125ml Plastic	HNO3	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

Metal Digestion	Completed			SW3015A	06/23/14 08:30	JRH		
pH check for VOCs	<2	STD Units		N/A	06/20/14 10:30	LBR		
PNA Extraction	Completed			SW3510C	06/19/14 23:11	EMR		

Metals

Cadmium, Dissolved	0.0016	mg/L	0.0005	E200.8	06/23/14 11:26	JRH	7440-43-9	
Chromium, Dissolved	Not detected	mg/L	0.005	E200.8	06/23/14 11:26	JRH	7440-47-3	
Lead, Dissolved	Not detected	mg/L	0.003	E200.8	06/23/14 11:26	JRH	7439-92-1	

Organics - Semi-Volatiles

Polynuclear Aromatic Hydrocarbon

Acenaphthene	Not detected	ug/L	5	SW8270D	06/22/14 11:12	JGH	83-32-9	
Acenaphthylene	Not detected	ug/L	5	SW8270D	06/22/14 11:12	JGH	208-96-8	
Anthracene	Not detected	ug/L	5	SW8270D	06/22/14 11:12	JGH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	1	SW8270D	06/22/14 11:12	JGH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	1	SW8270D	06/22/14 11:12	JGH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	1	SW8270D	06/22/14 11:12	JGH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	1	SW8270D	06/22/14 11:12	JGH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	1	SW8270D	06/22/14 11:12	JGH	191-24-2	
Chrysene	Not detected	ug/L	1	SW8270D	06/22/14 11:12	JGH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	2	SW8270D	06/22/14 11:12	JGH	53-70-3	
Fluoranthene	Not detected	ug/L	1	SW8270D	06/22/14 11:12	JGH	206-44-0	
Fluorene	Not detected	ug/L	5	SW8270D	06/22/14 11:12	JGH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	SW8270D	06/22/14 11:12	JGH	193-39-5	
Naphthalene	Not detected	ug/L	5	SW8270D	06/22/14 11:12	JGH	91-20-3	
Phenanthrene	Not detected	ug/L	2	SW8270D	06/22/14 11:12	JGH	85-01-8	
Pyrene	Not detected	ug/L	5	SW8270D	06/22/14 11:12	JGH	129-00-0	
2-Methylnaphthalene	Not detected	ug/L	5	SW8270D	06/22/14 11:12	JGH	91-57-6	

Organics - Volatiles

Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260C	06/19/14 14:29	WAT	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/19/14 14:29	WAT	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/19/14 14:29	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/19/14 14:29	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/19/14 14:29	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/19/14 14:29	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/19/14 14:29	WAT	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/19/14 14:29	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	75-01-4	



Analytical Laboratory Report

Lab Sample ID: S61544.14 (continued)

Sample Tag: TMW-2

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Bromomethane	Not detected	ug/L	5	SW8260C	06/19/14 14:29	WAT	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/19/14 14:29	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/19/14 14:29	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/19/14 14:29	WAT	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/19/14 14:29	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/19/14 14:29	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	75-27-4	
Dibromomethane	Not detected	ug/L	5	SW8260C	06/19/14 14:29	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/19/14 14:29	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/19/14 14:29	WAT		
o-Xylene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/19/14 14:29	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/19/14 14:29	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	95-50-1	



Analytical Laboratory Report

Lab Sample ID: S61544.14 (continued)

Sample Tag: TMW-2

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:29	WAT	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/19/14 14:29	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/19/14 14:29	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/19/14 14:29	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/19/14 14:29	WAT	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/19/14 14:29	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/19/14 14:29	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.15
Sample Tag: TMW-5
Collected Date/Time: 06/17/2014 11:55
Matrix: Groundwater
COC Reference: 72307

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Amber	None	Yes	5.2	IR
3	40ml Glass	HCL	Yes	5.2	IR
1	125ml Plastic	HNO3	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	06/23/14 08:30	JRH		
pH check for VOCs	<2	STD Units		N/A	06/20/14 10:30	LBR		
PNA Extraction	Completed			SW3510C	06/19/14 23:11	EMR		

Metals

Cadmium, Dissolved	Not detected	mg/L	0.0005	E200.8	06/23/14 11:28	JRH	7440-43-9	
Chromium, Dissolved	Not detected	mg/L	0.005	E200.8	06/23/14 11:28	JRH	7440-47-3	
Lead, Dissolved	Not detected	mg/L	0.003	E200.8	06/23/14 11:28	JRH	7439-92-1	

Organics - Semi-Volatiles

Polynuclear Aromatic Hydrocarbon

Acenaphthene	Not detected	ug/L	5	SW8270D	06/22/14 11:34	JGH	83-32-9	
Acenaphthylene	Not detected	ug/L	5	SW8270D	06/22/14 11:34	JGH	208-96-8	
Anthracene	Not detected	ug/L	5	SW8270D	06/22/14 11:34	JGH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	1	SW8270D	06/22/14 11:34	JGH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	1	SW8270D	06/22/14 11:34	JGH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	1	SW8270D	06/22/14 11:34	JGH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	1	SW8270D	06/22/14 11:34	JGH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	1	SW8270D	06/22/14 11:34	JGH	191-24-2	
Chrysene	Not detected	ug/L	1	SW8270D	06/22/14 11:34	JGH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	2	SW8270D	06/22/14 11:34	JGH	53-70-3	
Fluoranthene	Not detected	ug/L	1	SW8270D	06/22/14 11:34	JGH	206-44-0	
Fluorene	Not detected	ug/L	5	SW8270D	06/22/14 11:34	JGH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	SW8270D	06/22/14 11:34	JGH	193-39-5	
Naphthalene	Not detected	ug/L	5	SW8270D	06/22/14 11:34	JGH	91-20-3	
Phenanthrene	Not detected	ug/L	2	SW8270D	06/22/14 11:34	JGH	85-01-8	
Pyrene	Not detected	ug/L	5	SW8270D	06/22/14 11:34	JGH	129-00-0	
2-Methylnaphthalene	Not detected	ug/L	5	SW8270D	06/22/14 11:34	JGH	91-57-6	

Organics - Volatiles

Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260C	06/19/14 14:49	WAT	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/19/14 14:49	WAT	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/19/14 14:49	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/19/14 14:49	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/19/14 14:49	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/19/14 14:49	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/19/14 14:49	WAT	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/19/14 14:49	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	75-01-4	



Analytical Laboratory Report

Lab Sample ID: S61544.15 (continued)

Sample Tag: TMW-5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Bromomethane	Not detected	ug/L	5	SW8260C	06/19/14 14:49	WAT	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/19/14 14:49	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/19/14 14:49	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/19/14 14:49	WAT	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/19/14 14:49	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/19/14 14:49	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	75-27-4	
Dibromomethane	Not detected	ug/L	5	SW8260C	06/19/14 14:49	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/19/14 14:49	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/19/14 14:49	WAT		
o-Xylene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/19/14 14:49	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/19/14 14:49	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	95-50-1	



Analytical Laboratory Report

Lab Sample ID: S61544.15 (continued)

Sample Tag: TMW-5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 14:49	WAT	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/19/14 14:49	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/19/14 14:49	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/19/14 14:49	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/19/14 14:49	WAT	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/19/14 14:49	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/19/14 14:49	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.16
Sample Tag: TMW-7
Collected Date/Time: 06/17/2014 11:15
Matrix: Groundwater
COC Reference: 72307

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Amber	None	Yes	5.2	IR
3	40ml Glass	HCL	Yes	5.2	IR
1	125ml Plastic	HNO3	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

Metal Digestion	Completed			SW3015A	06/23/14 08:30	JRH		
pH check for VOCs	<2	STD Units		N/A	06/20/14 10:30	LBR		
PNA Extraction	Completed			SW3510C	06/19/14 23:11	EMR		

Metals

Cadmium, Dissolved	Not detected	mg/L	0.0005	E200.8	06/23/14 11:31	JRH	7440-43-9	
Chromium, Dissolved	Not detected	mg/L	0.005	E200.8	06/23/14 11:31	JRH	7440-47-3	
Lead, Dissolved	Not detected	mg/L	0.003	E200.8	06/23/14 11:31	JRH	7439-92-1	

Organics - Semi-Volatiles

Polynuclear Aromatic Hydrocarbon

Acenaphthene	Not detected	ug/L	5	SW8270D	06/22/14 11:57	JGH	83-32-9	
Acenaphthylene	Not detected	ug/L	5	SW8270D	06/22/14 11:57	JGH	208-96-8	
Anthracene	Not detected	ug/L	5	SW8270D	06/22/14 11:57	JGH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	1	SW8270D	06/22/14 11:57	JGH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	1	SW8270D	06/22/14 11:57	JGH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	1	SW8270D	06/22/14 11:57	JGH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	1	SW8270D	06/22/14 11:57	JGH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	1	SW8270D	06/22/14 11:57	JGH	191-24-2	
Chrysene	Not detected	ug/L	1	SW8270D	06/22/14 11:57	JGH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	2	SW8270D	06/22/14 11:57	JGH	53-70-3	
Fluoranthene	Not detected	ug/L	1	SW8270D	06/22/14 11:57	JGH	206-44-0	
Fluorene	Not detected	ug/L	5	SW8270D	06/22/14 11:57	JGH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	SW8270D	06/22/14 11:57	JGH	193-39-5	
Naphthalene	Not detected	ug/L	5	SW8270D	06/22/14 11:57	JGH	91-20-3	
Phenanthrene	Not detected	ug/L	2	SW8270D	06/22/14 11:57	JGH	85-01-8	
Pyrene	Not detected	ug/L	5	SW8270D	06/22/14 11:57	JGH	129-00-0	
2-Methylnaphthalene	Not detected	ug/L	5	SW8270D	06/22/14 11:57	JGH	91-57-6	

Organics - Volatiles

Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260C	06/19/14 15:09	WAT	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/19/14 15:09	WAT	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/19/14 15:09	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/19/14 15:09	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/19/14 15:09	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/19/14 15:09	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/19/14 15:09	WAT	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/19/14 15:09	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	75-01-4	



Analytical Laboratory Report

Lab Sample ID: S61544.16 (continued)

Sample Tag: TMW-7

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Bromomethane	Not detected	ug/L	5	SW8260C	06/19/14 15:09	WAT	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/19/14 15:09	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/19/14 15:09	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/19/14 15:09	WAT	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/19/14 15:09	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/19/14 15:09	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	75-27-4	
Dibromomethane	Not detected	ug/L	5	SW8260C	06/19/14 15:09	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/19/14 15:09	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/19/14 15:09	WAT		
o-Xylene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/19/14 15:09	WAT	98-82-8	
Bromoforn	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/19/14 15:09	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	95-50-1	



Analytical Laboratory Report

Lab Sample ID: S61544.16 (continued)

Sample Tag: TMW-7

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:09	WAT	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/19/14 15:09	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/19/14 15:09	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/19/14 15:09	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/19/14 15:09	WAT	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/19/14 15:09	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/19/14 15:09	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.17

Sample Tag: TMW-9

Collected Date/Time: 06/17/2014 10:15

Matrix: Groundwater

COC Reference: 72307

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Amber	None	Yes	5.2	IR
3	40ml Glass	HCL	Yes	5.2	IR
1	125ml Plastic	HNO3	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

Metal Digestion	Completed			SW3015A	06/23/14 08:30	JRH		
pH check for VOCs	<2	STD Units		N/A	06/20/14 10:30	LBR		
PNA Extraction	Completed			SW3510C	06/19/14 23:11	EMR		

Metals

Cadmium, Dissolved	Not detected	mg/L	0.0005	E200.8	06/23/14 11:33	JRH	7440-43-9	
Chromium, Dissolved	Not detected	mg/L	0.005	E200.8	06/23/14 11:33	JRH	7440-47-3	
Lead, Dissolved	Not detected	mg/L	0.003	E200.8	06/23/14 11:33	JRH	7439-92-1	

Organics - Semi-Volatiles

Polynuclear Aromatic Hydrocarbon

Acenaphthene	Not detected	ug/L	5	SW8270D	06/22/14 12:19	JGH	83-32-9	
Acenaphthylene	Not detected	ug/L	5	SW8270D	06/22/14 12:19	JGH	208-96-8	
Anthracene	Not detected	ug/L	5	SW8270D	06/22/14 12:19	JGH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	1	SW8270D	06/22/14 12:19	JGH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	1	SW8270D	06/22/14 12:19	JGH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	1	SW8270D	06/22/14 12:19	JGH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	1	SW8270D	06/22/14 12:19	JGH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	1	SW8270D	06/22/14 12:19	JGH	191-24-2	
Chrysene	Not detected	ug/L	1	SW8270D	06/22/14 12:19	JGH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	2	SW8270D	06/22/14 12:19	JGH	53-70-3	
Fluoranthene	Not detected	ug/L	1	SW8270D	06/22/14 12:19	JGH	206-44-0	
Fluorene	Not detected	ug/L	5	SW8270D	06/22/14 12:19	JGH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	SW8270D	06/22/14 12:19	JGH	193-39-5	
Naphthalene	Not detected	ug/L	5	SW8270D	06/22/14 12:19	JGH	91-20-3	
Phenanthrene	Not detected	ug/L	2	SW8270D	06/22/14 12:19	JGH	85-01-8	
Pyrene	Not detected	ug/L	5	SW8270D	06/22/14 12:19	JGH	129-00-0	
2-Methylnaphthalene	Not detected	ug/L	5	SW8270D	06/22/14 12:19	JGH	91-57-6	

Organics - Volatiles

Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260C	06/19/14 15:29	WAT	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/19/14 15:29	WAT	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/19/14 15:29	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/19/14 15:29	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/19/14 15:29	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/19/14 15:29	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/19/14 15:29	WAT	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/19/14 15:29	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	75-01-4	



Analytical Laboratory Report

Lab Sample ID: S61544.17 (continued)

Sample Tag: TMW-9

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Bromomethane	Not detected	ug/L	5	SW8260C	06/19/14 15:29	WAT	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/19/14 15:29	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/19/14 15:29	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/19/14 15:29	WAT	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/19/14 15:29	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/19/14 15:29	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	75-27-4	
Dibromomethane	Not detected	ug/L	5	SW8260C	06/19/14 15:29	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/19/14 15:29	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/19/14 15:29	WAT		
o-Xylene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/19/14 15:29	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/19/14 15:29	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	95-50-1	



Analytical Laboratory Report

Lab Sample ID: S61544.17 (continued)

Sample Tag: TMW-9

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 15:29	WAT	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/19/14 15:29	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/19/14 15:29	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/19/14 15:29	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/19/14 15:29	WAT	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/19/14 15:29	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/19/14 15:29	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.18
Sample Tag: A-1
Collected Date/Time: 06/17/2014 00:01
Matrix: Methanol
COC Reference: 72307

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 17:03	WAT	60-29-7	
Acetone	Not detected	ug/kg	1,000	SW8260C/5035A	06/19/14 17:03	WAT	67-64-1	
Methyl iodide	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	74-88-4	
Carbon disulfide	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 17:03	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 17:03	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	750	SW8260C/5035A	06/19/14 17:03	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 17:03	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 17:03	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	200	SW8260C/5035A	06/19/14 17:03	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 17:03	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	1,000	SW8260C/5035A	06/19/14 17:03	WAT	109-99-9	
Chloroform	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	67-66-3	
Bromochloromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	SW8260C/5035A	06/19/14 17:03	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	3,000	SW8260C/5035A	06/19/14 17:03	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	56-23-5	
Benzene	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	75-27-4	
Dibromomethane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 17:03	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	10061-01-5	
Toluene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	20	SW8260C/5035A	06/19/14 17:03	WAT	106-93-4	M
Chlorobenzene	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	630-20-6	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S61544.18 (continued)

Sample Tag: A-1

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
Ethylbenzene	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT		
o-Xylene	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	95-47-6	
Styrene	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 17:03	WAT	98-82-8	
Bromoform	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	103-65-1	
Bromobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:03	WAT	526-73-8	
n-Butylbenzene	Not detected	ug/kg	50	SW8260C/5035A	06/19/14 17:03	WAT	104-51-8	
Hexachloroethane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 17:03	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 17:03	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	330	SW8260C/5035A	06/19/14 17:03	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	330	SW8260C/5035A	06/19/14 17:03	WAT	87-61-6	
Naphthalene	Not detected	ug/kg	330	SW8260C/5035A	06/19/14 17:03	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	330	SW8260C/5035A	06/19/14 17:03	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.19
Sample Tag: A-2
Collected Date/Time: 06/17/2014 00:01
Matrix: Liquid
COC Reference: 72307

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

pH check for VOCs	<2	STD Units		N/A	06/20/14 10:30	LBR		
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Organics - Volatiles

Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260C	06/19/14 16:05	WAT	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/19/14 16:05	WAT	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/19/14 16:05	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/19/14 16:05	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/19/14 16:05	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/19/14 16:05	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/19/14 16:05	WAT	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/19/14 16:05	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	75-01-4	
Bromomethane	Not detected	ug/L	5	SW8260C	06/19/14 16:05	WAT	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/19/14 16:05	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/19/14 16:05	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/19/14 16:05	WAT	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/19/14 16:05	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/19/14 16:05	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	75-27-4	
Dibromomethane	Not detected	ug/L	5	SW8260C	06/19/14 16:05	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/19/14 16:05	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	106-93-4	



Analytical Laboratory Report

Lab Sample ID: S61544.19 (continued)

Sample Tag: A-2

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/19/14 16:05	WAT		
o-Xylene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/19/14 16:05	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/19/14 16:05	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 16:05	WAT	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/19/14 16:05	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/19/14 16:05	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/19/14 16:05	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/19/14 16:05	WAT	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/19/14 16:05	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/19/14 16:05	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.20
Sample Tag: A-3
Collected Date/Time: 06/17/2014 00:01
Matrix: Liquid
COC Reference: 72307

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Amber	None	Yes	5.2	IR
3	40ml Glass	HCL	Yes	5.2	IR
1	125ml Plastic	HNO3	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

Metal Digestion	Completed			SW3015A	06/23/14 08:30	JRH		
pH check for VOCs	<2	STD Units		N/A	06/20/14 10:30	LBR		
PNA Extraction	Completed			SW3510C	06/19/14 23:11	EMR		

Metals

Cadmium, Dissolved	Not detected	mg/L	0.0005	E200.8	06/23/14 11:35	JRH	7440-43-9	
Chromium, Dissolved	Not detected	mg/L	0.005	E200.8	06/23/14 11:35	JRH	7440-47-3	
Lead, Dissolved	Not detected	mg/L	0.003	E200.8	06/23/14 11:35	JRH	7439-92-1	

Organics - Semi-Volatiles

Polynuclear Aromatic Hydrocarbon

Acenaphthene	Not detected	ug/L	5	SW8270D	06/22/14 12:41	JGH	83-32-9	
Acenaphthylene	Not detected	ug/L	5	SW8270D	06/22/14 12:41	JGH	208-96-8	
Anthracene	Not detected	ug/L	5	SW8270D	06/22/14 12:41	JGH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	1	SW8270D	06/22/14 12:41	JGH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	1	SW8270D	06/22/14 12:41	JGH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	1	SW8270D	06/22/14 12:41	JGH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	1	SW8270D	06/22/14 12:41	JGH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	1	SW8270D	06/22/14 12:41	JGH	191-24-2	
Chrysene	Not detected	ug/L	1	SW8270D	06/22/14 12:41	JGH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	2	SW8270D	06/22/14 12:41	JGH	53-70-3	
Fluoranthene	Not detected	ug/L	1	SW8270D	06/22/14 12:41	JGH	206-44-0	
Fluorene	Not detected	ug/L	5	SW8270D	06/22/14 12:41	JGH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	SW8270D	06/22/14 12:41	JGH	193-39-5	
Naphthalene	Not detected	ug/L	5	SW8270D	06/22/14 12:41	JGH	91-20-3	
Phenanthrene	Not detected	ug/L	2	SW8270D	06/22/14 12:41	JGH	85-01-8	
Pyrene	Not detected	ug/L	5	SW8270D	06/22/14 12:41	JGH	129-00-0	
2-Methylnaphthalene	Not detected	ug/L	5	SW8270D	06/22/14 12:41	JGH	91-57-6	

Organics - Volatiles

Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260C	06/19/14 18:25	WAT	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/19/14 18:25	WAT	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/19/14 18:25	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/19/14 18:25	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/19/14 18:25	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/19/14 18:25	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/19/14 18:25	WAT	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/19/14 18:25	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	75-01-4	



Analytical Laboratory Report

Lab Sample ID: S61544.20 (continued)

Sample Tag: A-3

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Bromomethane	Not detected	ug/L	5	SW8260C	06/19/14 18:25	WAT	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/19/14 18:25	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/19/14 18:25	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/19/14 18:25	WAT	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/19/14 18:25	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/19/14 18:25	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	75-27-4	
Dibromomethane	Not detected	ug/L	5	SW8260C	06/19/14 18:25	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/19/14 18:25	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/19/14 18:25	WAT		
o-Xylene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/19/14 18:25	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/19/14 18:25	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	95-50-1	



Analytical Laboratory Report

Lab Sample ID: S61544.20 (continued)

Sample Tag: A-3

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:25	WAT	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/19/14 18:25	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/19/14 18:25	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/19/14 18:25	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/19/14 18:25	WAT	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/19/14 18:25	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/19/14 18:25	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.21
Sample Tag: A-4
Collected Date/Time: 06/17/2014 00:01
Matrix: Soil
COC Reference: 72307

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz Glass	None	Yes	5.2	IR
1	40ml Glass	MeOH	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

Extraction, PCB	Completed			SW3550C	06/19/14 14:00	RGS		
Metal Digestion	Completed			SW3050B	06/23/14 09:30	JRH		
PNA Extraction	Completed			SW3550C	06/19/14 20:06	EMR		

Inorganics

Total Solids	85	%	1	Std M 2540 B	06/19/14 17:25	ASB		
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Metals

Cadmium	Not detected	mg/kg	0.20	SW6020A	06/23/14 14:25	JRH	7440-43-9	
Chromium	2.75	mg/kg	0.50	SW6020A	06/23/14 14:25	JRH	7440-47-3	
Lead	5.16	mg/kg	0.30	SW6020A	06/23/14 14:25	JRH	7439-92-1	

Organics - PCBs/Pesticides

PCB List

PCB-1016	Not detected	ug/kg	330	SW8082A	06/23/14 12:00	JAN	12674-11-2	
PCB-1242	Not detected	ug/kg	330	SW8082A	06/23/14 12:00	JAN	53469-21-9	
PCB-1221	Not detected	ug/kg	330	SW8082A	06/23/14 12:00	JAN	11104-28-2	
PCB-1232	Not detected	ug/kg	330	SW8082A	06/23/14 12:00	JAN	11141-16-5	
PCB-1248	Not detected	ug/kg	330	SW8082A	06/23/14 12:00	JAN	12672-29-6	
PCB-1254	Not detected	ug/kg	330	SW8082A	06/23/14 12:00	JAN	11097-69-1	
PCB-1260	Not detected	ug/kg	330	SW8082A	06/23/14 12:00	JAN	11096-82-5	

Organics - Semi-Volatiles

Polynuclear Aromatics

Acenaphthene	Not detected	ug/kg	300	SW8270D	06/20/14 18:38	JGH	83-32-9	
Acenaphthylene	Not detected	ug/kg	300	SW8270D	06/20/14 18:38	JGH	208-96-8	
Anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 18:38	JGH	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 18:38	JGH	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 18:38	JGH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 18:38	JGH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 18:38	JGH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/kg	300	SW8270D	06/20/14 18:38	JGH	191-24-2	
Chrysene	Not detected	ug/kg	300	SW8270D	06/20/14 18:38	JGH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/20/14 18:38	JGH	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/20/14 18:38	JGH	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/20/14 18:38	JGH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 18:38	JGH	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/20/14 18:38	JGH	91-20-3	
Phenanthrene	Not detected	ug/kg	300	SW8270D	06/20/14 18:38	JGH	85-01-8	
Pyrene	Not detected	ug/kg	300	SW8270D	06/20/14 18:38	JGH	129-00-0	
2-Methylnaphthalene	300	ug/kg	300	SW8270D	06/20/14 18:38	JGH	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.21 (continued)

Sample Tag: A-4

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
Volatile Organics 5035								
Diethyl ether	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 17:23	WAT	60-29-7	
Acetone	Not detected	ug/kg	1,000	SW8260C/5035A	06/19/14 17:23	WAT	67-64-1	
Methyl iodide	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	74-88-4	
Carbon disulfide	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 17:23	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 17:23	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/kg	1,100	SW8260C/5035A	06/19/14 17:23	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 17:23	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 17:23	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	300	SW8260C/5035A	06/19/14 17:23	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 17:23	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/kg	1,000	SW8260C/5035A	06/19/14 17:23	WAT	109-99-9	
Chloroform	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	67-66-3	
Bromochloromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 17:23	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	4,000	SW8260C/5035A	06/19/14 17:23	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	56-23-5	
Benzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	75-27-4	
Dibromomethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 17:23	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	10061-01-5	
Toluene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260C/5035A	06/19/14 17:23	WAT	106-93-4	M
Chlorobenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	630-20-6	
Ethylbenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT		
o-Xylene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	95-47-6	
Styrene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 17:23	WAT	98-82-8	
Bromoform	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	79-34-5	

M-Result reported to MDL not RDL



Analytical Laboratory Report

Lab Sample ID: S61544.21 (continued)

Sample Tag: A-4

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics 5035 (continued)								
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	103-65-1	
Bromobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260C/5035A	06/19/14 17:23	WAT	526-73-8	
n-Butylbenzene	100	ug/kg	70	SW8260C/5035A	06/19/14 17:23	WAT	104-51-8	
Hexachloroethane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 17:23	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260C/5035A	06/19/14 17:23	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	470	SW8260C/5035A	06/19/14 17:23	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/kg	470	SW8260C/5035A	06/19/14 17:23	WAT	87-61-6	
Naphthalene	Not detected	ug/kg	470	SW8260C/5035A	06/19/14 17:23	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/kg	470	SW8260C/5035A	06/19/14 17:23	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.22
Sample Tag: A-5
Collected Date/Time: 06/17/2014 00:01
Matrix: Liquid
COC Reference: 72307

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	5.2	IR
3	40ml Glass	HCL	Yes	5.2	IR
1	125ml Plastic	HNO3	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
pH check for VOCs	<2	STD Units		N/A	06/20/14 10:30	LBR		

Organics - Volatiles

Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260C	06/19/14 18:45	WAT	60-29-7
Acetone	Not detected	ug/L	50	SW8260C	06/19/14 18:45	WAT	67-64-1
Methyl iodide	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	74-88-4
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/19/14 18:45	WAT	75-15-0
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/19/14 18:45	WAT	1634-04-4
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/19/14 18:45	WAT	107-13-1
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/19/14 18:45	WAT	78-93-3
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/19/14 18:45	WAT	75-71-8
Chloromethane	Not detected	ug/L	5	SW8260C	06/19/14 18:45	WAT	74-87-3
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	75-01-4
Bromomethane	Not detected	ug/L	5	SW8260C	06/19/14 18:45	WAT	74-83-9
Chloroethane	Not detected	ug/L	5	SW8260C	06/19/14 18:45	WAT	75-00-3
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	75-69-4
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	75-35-4
Methylene chloride	Not detected	ug/L	5	SW8260C	06/19/14 18:45	WAT	75-09-2
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	156-60-5
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	75-34-3
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	156-59-2
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/19/14 18:45	WAT	109-99-9
Chloroform	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	67-66-3
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	74-97-5
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	71-55-6
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/19/14 18:45	WAT	108-10-1
2-Hexanone	Not detected	ug/L	50	SW8260C	06/19/14 18:45	WAT	591-78-6
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	56-23-5
Benzene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	71-43-2
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	107-06-2
Trichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	79-01-6
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	78-87-5
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	75-27-4
Dibromomethane	Not detected	ug/L	5	SW8260C	06/19/14 18:45	WAT	74-95-3
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	10061-01-5
Toluene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	108-88-3
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	10061-02-6
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	79-00-5
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	127-18-4
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	110-57-6



Analytical Laboratory Report

Lab Sample ID: S61544.22 (continued)

Sample Tag: A-5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/19/14 18:45	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/19/14 18:45	WAT		
o-Xylene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/19/14 18:45	WAT	98-82-8	
Bromofom	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/19/14 18:45	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	95-50-1	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 18:45	WAT	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/19/14 18:45	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/19/14 18:45	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/19/14 18:45	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/19/14 18:45	WAT	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/19/14 18:45	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/19/14 18:45	WAT	91-57-6	



Analytical Laboratory Report

Lab Sample ID: S61544.23
Sample Tag: A-6
Collected Date/Time: 06/17/2014 00:01
Matrix: Liquid
COC Reference: 72307

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	5.2	IR
3	40ml Glass	HCL	Yes	5.2	IR
1	125ml Plastic	HNO3	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
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Extraction / Prep.

Metal Digestion	Completed			SW3015A	06/23/14 08:30	JRH		
pH check for VOCs	<2	STD Units		N/A	06/20/14 10:30	LBR		
PNA Extraction	Completed			SW3510C	06/19/14 23:11	EMR		

Metals

Cadmium, Dissolved	Not detected	mg/L	0.0005	E200.8	06/23/14 11:39	JRH	7440-43-9	
Chromium, Dissolved	Not detected	mg/L	0.005	E200.8	06/23/14 11:39	JRH	7440-47-3	
Lead, Dissolved	Not detected	mg/L	0.003	E200.8	06/23/14 11:39	JRH	7439-92-1	

Organics - Semi-Volatiles

Polynuclear Aromatic Hydrocarbon

Acenaphthene	Not detected	ug/L	5	SW8270D	06/22/14 13:04	JGH	83-32-9	
Acenaphthylene	Not detected	ug/L	5	SW8270D	06/22/14 13:04	JGH	208-96-8	
Anthracene	Not detected	ug/L	5	SW8270D	06/22/14 13:04	JGH	120-12-7	
Benzo(a)anthracene	Not detected	ug/L	1	SW8270D	06/22/14 13:04	JGH	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	1	SW8270D	06/22/14 13:04	JGH	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	1	SW8270D	06/22/14 13:04	JGH	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/L	1	SW8270D	06/22/14 13:04	JGH	207-08-9	
Benzo(ghi)perylene	Not detected	ug/L	1	SW8270D	06/22/14 13:04	JGH	191-24-2	
Chrysene	Not detected	ug/L	1	SW8270D	06/22/14 13:04	JGH	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/L	2	SW8270D	06/22/14 13:04	JGH	53-70-3	
Fluoranthene	Not detected	ug/L	1	SW8270D	06/22/14 13:04	JGH	206-44-0	
Fluorene	Not detected	ug/L	5	SW8270D	06/22/14 13:04	JGH	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	SW8270D	06/22/14 13:04	JGH	193-39-5	
Naphthalene	Not detected	ug/L	5	SW8270D	06/22/14 13:04	JGH	91-20-3	
Phenanthrene	Not detected	ug/L	2	SW8270D	06/22/14 13:04	JGH	85-01-8	
Pyrene	Not detected	ug/L	5	SW8270D	06/22/14 13:04	JGH	129-00-0	
2-Methylnaphthalene	Not detected	ug/L	5	SW8270D	06/22/14 13:04	JGH	91-57-6	

Organics - Volatiles

Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260C	06/19/14 19:05	WAT	60-29-7	
Acetone	Not detected	ug/L	50	SW8260C	06/19/14 19:05	WAT	67-64-1	
Methyl iodide	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	74-88-4	
Carbon disulfide	Not detected	ug/L	5	SW8260C	06/19/14 19:05	WAT	75-15-0	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260C	06/19/14 19:05	WAT	1634-04-4	
Acrylonitrile	Not detected	ug/L	2	SW8260C	06/19/14 19:05	WAT	107-13-1	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260C	06/19/14 19:05	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260C	06/19/14 19:05	WAT	75-71-8	
Chloromethane	Not detected	ug/L	5	SW8260C	06/19/14 19:05	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	75-01-4	



Analytical Laboratory Report

Lab Sample ID: S61544.23 (continued)

Sample Tag: A-6

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
Bromomethane	Not detected	ug/L	5	SW8260C	06/19/14 19:05	WAT	74-83-9	
Chloroethane	Not detected	ug/L	5	SW8260C	06/19/14 19:05	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	SW8260C	06/19/14 19:05	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	156-59-2	
Tetrahydrofuran	Not detected	ug/L	90	SW8260C	06/19/14 19:05	WAT	109-99-9	
Chloroform	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	67-66-3	
Bromochloromethane	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	74-97-5	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	71-55-6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260C	06/19/14 19:05	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	SW8260C	06/19/14 19:05	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	56-23-5	
Benzene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	75-27-4	
Dibromomethane	Not detected	ug/L	5	SW8260C	06/19/14 19:05	WAT	74-95-3	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	127-18-4	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	110-57-6	
Dibromochloromethane	Not detected	ug/L	5	SW8260C	06/19/14 19:05	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	108-90-7	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	630-20-6	
Ethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	SW8260C	06/19/14 19:05	WAT		
o-Xylene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	95-47-6	
Styrene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	5	SW8260C	06/19/14 19:05	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	79-34-5	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	96-18-4	
n-Propylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	103-65-1	
Bromobenzene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	108-86-1	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	108-67-8	
tert-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	98-06-6	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	95-63-6	
sec-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	135-98-8	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260C	06/19/14 19:05	WAT	99-87-6	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	95-50-1	



Analytical Laboratory Report

Lab Sample ID: S61544.23 (continued)

Sample Tag: A-6

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
Volatile Organics - DEQ List (continued)								
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	526-73-8	
n-Butylbenzene	Not detected	ug/L	1	SW8260C	06/19/14 19:05	WAT	104-51-8	
Hexachloroethane	Not detected	ug/L	5	SW8260C	06/19/14 19:05	WAT	67-72-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260C	06/19/14 19:05	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/19/14 19:05	WAT	120-82-1	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260C	06/19/14 19:05	WAT	87-61-6	
Naphthalene	Not detected	ug/L	5	SW8260C	06/19/14 19:05	WAT	91-20-3	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260C	06/19/14 19:05	WAT	91-57-6	



2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # _____ OF _____

72306

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME Jamie Antoniewicz	
COMPANY PM Environmental	
ADDRESS 4090 W. 11 mile Road	
CITY Berkley	STATE MI
PHONE NO. 248-336-9988	FAX NO.
E-MAIL ADDRESS Antoniewicz@pmenv.com	QUOTE NO.

CONTACT NAME		<input type="checkbox"/> SAME
COMPANY		
ADDRESS		
CITY	STATE	ZIP CODE
PHONE NO.	E-MAIL ADDRESS	

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME 02-7403 -1/ Manufacturing prop	SAMPLER(S) - PLEASE PRINT/SIGN NAME Zach McCarty
TURNAROUND TIME REQUIRED <input type="checkbox"/> 1 DAY <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS <input type="checkbox"/> STANDARD <input type="checkbox"/> OTHER	
DELIVERABLES REQUIRED <input type="checkbox"/> STD <input type="checkbox"/> LEVEL II <input type="checkbox"/> LEVEL III <input type="checkbox"/> LEVEL IV <input type="checkbox"/> EDD <input type="checkbox"/> OTHER	

MATRIX CODE:	GW=GROUNDWATER	WW=WASTEWATER	S=SOIL	L=LIQUID	SD=SOLID
	SL=SLUDGE	DW=DRINKING WATER	O=OIL	WP=WIFE	A=AIR

Containers & Preservatives

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	Vols	PCB	CADD	Lead					Ho	<input type="checkbox"/> Other _____	Special Instructions
	DATE	TIME																					
61544.01	6/17/14	9:10	Sb-1 3 1/2 - 4 1/2	S	3						1	2	/	/	/	/							
.02		1:30	Sb-2 8-9		3						1	2	/	/	/	/							
.03		12:15	Sb-3 4-5		3						1	2	/	/	/	/							
.04		1:50	Sb-4 3-4		2						1	1	/	/	/	/							
.05		2:00	Sb-4 9-10		2						1	1	/	/	/	/							
.06		10:40	Sb-5 5-6		3						1	2	/	/	/	/							
.07		11:45	Sb-6 4-5		3						1	2	/	/	/	/							
.08		10:00	Sb-7 5-6		3						1	2	/	/	/	/							
.09		10:20	Sb-8 4-5		3						1	2	/	/	/	/							
.10		10:25	Sb-8 9-10		3						1	2	/	/	/	/				X			
.11		9:35	Sb-9 4-5		3						1	2	/	/	/	/							
.12		1:00	Sb-10 3-4		3						1	2	/	/	/	/							

RELINQUISHED BY: SIGNATURE/ORGANIZATION Zach McCarty	<input checked="" type="checkbox"/> Sampler	DATE 6/17/14	TIME 16:30
RECEIVED BY: SIGNATURE/ORGANIZATION PM Cold Storage		DATE 6/17/14	TIME 16:30
RELINQUISHED BY: SIGNATURE/ORGANIZATION SW Max		DATE 6.18.14	TIME 12:15
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION SW Max	DATE 6.18.14	TIME 15:30		
RECEIVED BY: SIGNATURE/ORGANIZATION Maxine George	DATE 6/18/14	TIME 15:30		
SEAL NO.	SEAL INTACT YES <input type="checkbox"/> NO <input type="checkbox"/>	INITIALS	NOTES:	TEMP. ON ARRIVAL 5.2
SEAL NO.	SEAL INTACT YES <input type="checkbox"/> NO <input type="checkbox"/>	INITIALS		

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE



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C.O.C. PAGE # _____ OF _____

72307

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME Jamie Antoniewicz			
COMPANY PM Environmental			
ADDRESS 4080 W. 11 Mile Road			
CITY Berkley	STATE MI	ZIP CODE 48072	
PHONE NO. 248-336-9989	FAX NO.	P.O. NO.	
E-MAIL ADDRESS Antoniewicz@pmenv.com		QUOTE NO.	

CONTACT NAME		<input type="checkbox"/> SAME
COMPANY		
ADDRESS		
CITY	STATE	ZIP CODE
PHONE NO.	E-MAIL ADDRESS	

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME 02-7403-1/Manufacturing prop	SAMPLER(S) - PLEASE PRINT/SIGN NAME Zach McCarty
TURNAROUND TIME REQUIRED <input type="checkbox"/> 1 DAY <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> OTHER	
DELIVERABLES REQUIRED <input type="checkbox"/> STD <input type="checkbox"/> LEVEL II <input type="checkbox"/> LEVEL III <input type="checkbox"/> LEVEL IV <input type="checkbox"/> EDD <input type="checkbox"/> OTHER	

MATRIX CODE:	GW=GROUNDWATER	WW=WASTEWATER	S=SOIL	L=LIQUID	SD=SOLID	
	SL=SLUDGE	DW=DRINKING WATER	O=OIL	WP=WIPE	A=AIR	W=WASTE

Containers & Preservatives

MERIT LAB NO. FOR LAB USE ONLY	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives										Hold	Certifications	Project Locations	Special Instructions
	DATE	TIME				NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER	VOCs/PNAs	PCBs	PAHs, Pb	VOCs			
61544.13	6/17/14	1:10	3b-10 9-10	S	3								/	/	/		X		
.14		2:15	TMW-2	GW	5		3	1					/	/	/				
.15		11:55	TMW-5		5		3	1					/	/	/				
.16		11:15	TMW-7		5		3	1					/	/	/				
.17		16:15	TMW-9				3	1											
.18			A-1	L	1						1					X			
.19			A-2	L	3		3									X			
.20			A-3	L	5		3	1			1		X		X				
.21			A-4	L	2						1		X	X	X				
.22			A-5	L	6		3	1			2					X			
.23			A-6	L	6		3	1			2		X		X				

RELINQUISHED BY: Zach McCarty	<input checked="" type="checkbox"/> Sampler	DATE 6/17/14	TIME 16:30
RECEIVED BY: PM Cold Storage		DATE 6/17/14	TIME 16:30
RELINQUISHED BY: John M.		DATE 6/18/14	TIME 15:30
RECEIVED BY: John M.		DATE 6/18/14	TIME 15:30

RELINQUISHED BY: John M.	DATE 6-18-14	TIME
RECEIVED BY: Kevin Chase	DATE 6/18/14	TIME 15:30
SEAL NO.	SEAL INTACT YES <input type="checkbox"/> NO <input type="checkbox"/>	INITIALS
SEAL NO.	SEAL INTACT YES <input type="checkbox"/> NO <input type="checkbox"/>	INITIALS
NOTES:		TEMP. ON ARRIVAL 5.2

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Appendix E



General Property Information**City of Madison Heights**[\[Back to Non-Printer Friendly Version\]](#) [\[Send To Printer\]](#)

Parcel: 44-25-01-251-014

Property Address [collapse]32451 N AVIS DR
MADISON HEIGHTS, MI 48071-1560**Owner Information** [collapse]CANCRO, FRANK P
32451 N AVIS DR
MADISON HEIGHTS, MI 48071-1560

Unit: 44

Taxpayer Information [collapse]

SEE OWNER INFORMATION

General Information for Tax Year 2013 [collapse]

Property Class:	301 - 301 Ind Imp	Assessed Value:	\$688,810
School District:	160 - 160 Lamphere	Taxable Value:	\$688,810
State Equalized Value:	\$688,810	Map #	POST
PPBusCode	0	Date of Last Name Chg:	07/08/2011

Date Filed:**Notes:** N/A**Historical District:** N/A**Census Block Group:** N/A

Principal Residence Exemption	June 1st	Final
2014	0.0000 %	-
2013	0.0000 %	0.0000 %

Previous Year Info	MBOR Assessed	Final S.E.V.	Final Taxable
2012	\$744,230	\$744,230	\$744,230
2011	\$1,020,960	\$800,000	\$800,000

Land Information [collapse]

	Frontage	Depth
Lot 1:	280.00 Ft.	500.00 Ft.
Lot 2:	0.00 Ft.	0.00 Ft.
Lot 3:	0.00 Ft.	0.00 Ft.
Total Frontage:	280.00 Ft.	Average Depth: 500.00 Ft.

Total Acreage: 3.21**Zoning Code:** M-1 LT**Total Estimated Land Value:** \$336,000**Land Improvements:** \$16,023**Renaissance Zone:** NO**Renaissance Zone Expiration****Date:****ECF Neighborhood Code:** IND**Mortgage Code:****Lot Dimensions/Comments:**

Legal Information for 44-25-01-251-014 [collapse]

T1N, R11E, SEC 1, LEHO INDUSTRIAL ACRES NO 6, LOTS 157 & 158, ALSO LOT 159 EXC S 20 FT

Sales Information**1 sale record(s) found.**

Sale Date	Sale Price	Instrument	Grantor	Grantee	Terms Of Sale	Liber/Page
12/24/2004	\$1.00	QC	CANCRO INVESTMENT CO, LLC	CANCRO TRUST, FRANK P	14-Other	34710-238

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[Privacy Policy](#)

32451 N AVIS DR	City of Madison Heights	301	M-1	Taxable	160	300	IND	01/18/13	44-25-01-251-014	1 of 1
T1N, R11E, SEC 1, LEHO INDUSTRIAL ACRES NO 6, LOTS 157 & 158, ALSO LOT 159 EXC S 20 FT										

Dirt Rd	X	Electric	Frontage	Depth	Acres
Gravel Rd	X	Gas	260.00	600.00	
X Paved Rd	X	Curbs			
X Storm Sewer		Street Lights			3.214
Sidewalk		Std. Utilities			
X Water		Undgrnd. Utilities			
X Sewer					
Level		Wooded	Sheds (2)		
Rolling		Pond			
Low		Waterfront			
High		Ravine	PA1-AsphaltPaving	Area/Quantity	% Good
Landscaped		Wetland	PC1-ConcretePaving	40,276	28
Swamp		Flood Plain	SPL-ParkingSpaces		

003	10/10/11	CompleteReview	1		
			2		
			3		
			4		

1	0	Last Sale Date	Last Sale Amount
0	0		
Income Statement Used For:			
Informational Purposes			
Income Capitalization Calculation			
Gross Rent Multiplier Calculation			
Oakland County Equalization Division 248-888-8740			
www.oakgov.com/equal			

--	--

Removed adl and dock from local cost. listed in two places
10-10-11 COMP REV FOR MTT #03

2009: 1997 ADDN ADDED FROM IFT ROLL. A CORRECTED SF OF 26,871 FOR A TOTAL OF 66,691 SF. SEE ASSESSORS COMMENTS FOR DETAILED CHANGES. ALB

1998: 1/20/98 ORIGINAL BLDO 40,020 SF. 1997 ADDN OF 23,739 SF (37%) 23,739 SF IS ON IFT ROLL FOR 1998 AND FWD.

1997: BLDG ADDITION & MISC LAND IMPVS.

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1

CITY OF CHICAGO - BUILDINGS					
Calculator Occupancy (3)		Industrial, Light Manufacturing			
Desc of Building/Section		BLDG 1 SEC 1			
Year Built	1067	Year Remod	1997	Overall Bldg Ht	22
Class (4)	C	Sty Abv Ground	1	Eff Age	XXXX
Depr Table	2%	Avg Sty Hgt	22	Phys % Good	45
Total Floor Area	66,691	Bsmt Wall Hgt		Abnormal Phy.	100
Override Value		% Completed	100	Func % Good	100
				Econ. % Good	100
BLT:1967; 26,671 SF ADD 1997,EF YR:1978 OFFICE: 8000 S.F./ 66,691 SF BLDG TOTAL					

Quality (5)	Average	Percent Adjustment
Heat #1(6) Space Heaters, Gas with Fan	\$/Sq. Ft. Adj.	
% of Flr Area Covered by #1	82	Reason
Heat #2(6) Package Heating & Cooling		Area
% of Flr Area Covered by #2	18	Type (8) Low
Avg Sq Ft per Story	66,691	Area #1
Avg Perimeter	1,300	(9) Type #1
Has Elevators	No	Area #2
		(9) Type #2
Area	Perim.	1
Phys %	0	Func %
Type (7) Finished/Office		
Heat Type Electric, Cable or Baseboard		
Two 1 Fire. Protection?		

Description	Area/Quant	Rate	% Good	% Arch. Mult.
LOADING WELL	4,099.0	10.50		100
AUTO DOCK LEVELER	2.0	6,200.00		100

* If blank, then depreciation is with Building

S: D. 11610

CITY OF MADISON HEIGHTS

PARCEL NO.

25-01-251-014

INDUSTRIAL

3/82

NAME	ADDRESS	ZONED	USE
Bristol Locknut Co. Frank Klaus, Del Rey Capital Corp.	350 S. Fuguro, #260, Los Angeles, Ca 90071	11	11
		PROPERTY ADDRESS 32451-32461 N. Avis	
		BUILDING PERMIT	Date Amount

DESCRIPTION

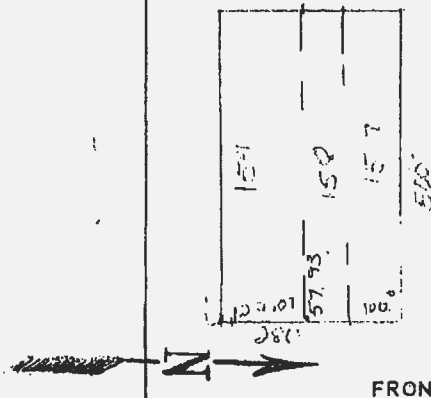
T1N, R11E, SEC 1
LEHO INDUSTRIAL ACRES NO. 6
LOTS 157, 158 & 159 EXC.
S 20 FT

IMPROVEMENTS

Gravel	Curb	Water
Paved	Sidewalk	Sewer

TOPOGRAPHY REMARKS: 1" = 300'

LAND SKETCH



LAND VALUE COMPUTATIONS

Lot Size	Depth Factor	Equiv. Front	Rate	Base Value
140000 ft ²			1.29	194600
(280 x 500)			1.85	259000
			2.75	385000

TOTAL

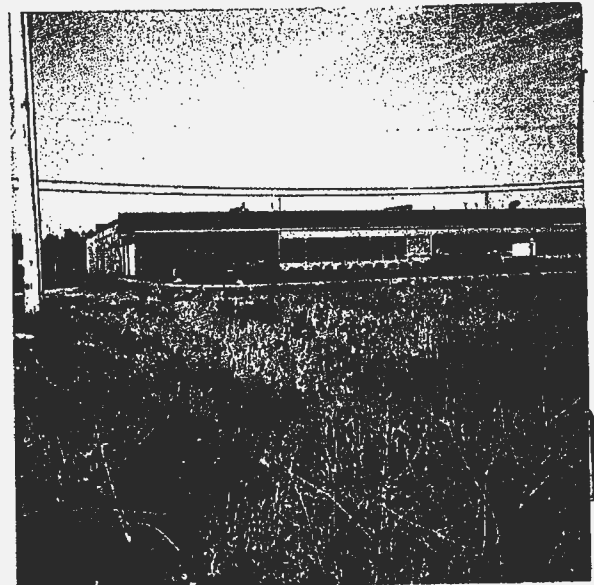
TOTAL

TOTAL

TOTAL

ASSESSMENT HISTORY

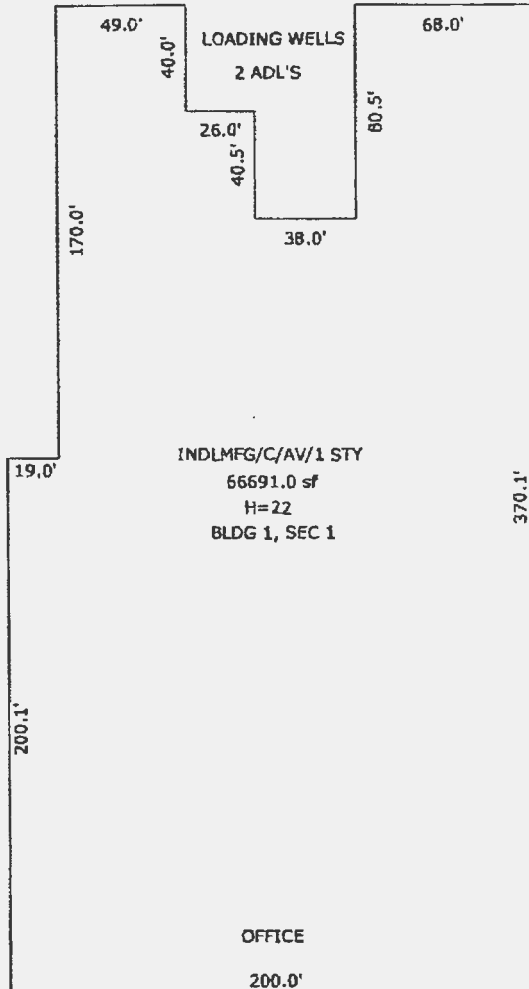
Year	Camp. By	Building Value Change Cause	Current Bldg. Value	Building Assessment	Land Value Change Cause	Cur
84	H.G.	EC/FT 1.44	617088	309,500	L/A, 1.03	1,000,000
85	H.G.	EC/A 1.40	599946	300,000	L/A	2,590,000
88	VK	" 1.48 x 428535	634228	317,100	L/A	385,000
89	B.H.	1.48 x 428535	684966	342,500	1.08	415,800
90	Q.Q.	242 x 330,265	799,241	399,600		420,000
91	Q.Q.	332,708 x 2.80	931,582	465,800		210,000



SKETCH/AREA TABLE ADDENDUM

File No 44-25-01-128-015

SUBJECT	Property Address 679 E MANDOLINE AVE			
	City MADISON HEIGHTS	County OAKLAND	State MI	Zip 48071-1442
	Owner TE-PC, LLC			
	Client			
Appraiser Name				



Scale: 1" = 67'

AREA CALCULATIONS	AREA CALCULATIONS SUMMARY												
	Code	Description	Factor	Net Size	Net Totals								
	11M/C/AV/1	INDLMFG/C/AV/1 STY	1.00	66691.0	1301.2	66691.0							
	Net BUILDING Area (rounded w/ factors)				66691								
<table border="1"> <tr> <th colspan="2">SKETCH HISTORY</th> </tr> <tr> <td colspan="2">10/17/11 #69</td> </tr> <tr> <th>COMMENTS</th> <th>UNIT IN PLACE</th> </tr> <tr> <td></td> <td>LOADING WELL 4096 SQ FT AUTO DOCK LEVELER 2</td> </tr> </table>						SKETCH HISTORY		10/17/11 #69		COMMENTS	UNIT IN PLACE		LOADING WELL 4096 SQ FT AUTO DOCK LEVELER 2
SKETCH HISTORY													
10/17/11 #69													
COMMENTS	UNIT IN PLACE												
	LOADING WELL 4096 SQ FT AUTO DOCK LEVELER 2												

Appendix F





1.800.313.2966
www.pmenv.com
antoniewicz@pmenv.com

Education

- Michigan State University
B.S. Civil and Environmental Engineering

Registration

Professional Engineer

- State of Michigan No. 60851

Certifications

- OSHA 29 CFR 1910.120 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) Training
- Meets the definition of an Environmental Professional as defined in § 312.10 of 40 CFR 312

Professional Activities

- American Society of Civil Engineers

JAMIE ANTONIEWICZ, P.E.

PROJECT ENGINEER

Mr. Antoniewicz is a Project Engineer as PM Environmental, Inc. and has served clients in over 11 states since 2007. He specializes in Phase I and Phase II Environmental Site Assessments (ESAs), Vapor Intrusion Assessment and Mitigation, Baseline Environmental Assessments and Due Care Plan projects. Mr. Antoniewicz has managed hundreds of Phase I and Phase II ESAs. His recent focus includes serving commercial/industrial clients, private equity, and banking/lending institutions.

Areas of expertise

- Preparation of Baseline Environmental Assessments in accordance with the Natural Resources and Compliance Analysis and Environmental Protection Act, P.A. 451 of 1994.
- Preparation of due care reports in accordance with Michigan NREPA Section 20107a (Part 201) and Part 213.
- Evaluation and development of investigations related to the vapor intrusion pathway including continued monitoring and mitigation.
- Evaluation and preparation of Leaking Underground Storage Tank (LUST) investigations including IARs, FARs, and Closure Reports in accordance with Michigan NREPA Part 213.
- Data collection and evaluation for Phase II Environmental Site Assessments (ESAs).
- Site-specific health and safety plan evaluation and development.
- Data management and report preparation for quarterly groundwater monitoring.
- Field Technician for the drilling of soil borings, installation of monitoring wells, collection of soil and water samples, excavation oversight and surveying.
- Due Diligence Phase I ESA Projects
- Data collection, site investigation, and preparation of Phase II ESAs.
- Project Investigator and Engineer for Phase I and Phase II ESAs.
- Collection and evaluation of data for Transaction Screens and preparation of reports.
- Experience in implantation and completion of various site assessment standards and professional protocol and commercial lending requirements (ASTM E-1527).



1.800.313.2966
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ritchie@pmenv.com

Education

- University of Central Missouri
B.A. Geology

Certifications

- Certified Professional Geologist
No. CPG-11223
- OSHA 29 CFR 1910.120 40-hour Safety Training
- OSHA 29 CFR 1910.120 8-hour Annual Refresher Safety Training
- MUST Safety Program Certification
American Red Cross Standard
First Aid and Adult CPR
- Meets the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312

Advanced Training

- ASTM Risk-Based Corrective Action Applied at Petroleum Release Sites
- ITRC Vapor Intrusion Pathway: A Practical Guideline

JENNIFER L. RITCHIE, C.P.G.

REGIONAL MANAGER - SITE INVESTIGATION SERVICES

Ms. Ritchie is a Senior Project Geologist at PM Environmental, Inc. and has served clients in over thirty states and seven EPA Regions since 1998. She specializes in Phase II Environmental Site Assessments (ESAs), Remediation and Corrective Action, and Leaking Underground Storage Tank (LUST) projects. Ms. Ritchie has managed thousands of Phase II ESAs/Remediation projects including TSCA regulated sites. She has also received regulatory closure on over 1 LUST sites. Her recent focus includes serving commercial/industrial clients, private equity, and banking/lending institutions.

Areas of expertise

- Project Manager for Phase II and Phase III Environmental Site Assessments (ESAs).
- Project Manager for Baseline Environmental Assessments (BEA) and Due Care Plan projects in accordance with the Natural Resources and Environmental Protection Act, P.A. 451 of 1994, Parts 201 and 213.
- Project Manager for Leaking Underground Storage Tank (LUST) projects, including removal and in-place closures, contaminant delineation, and remediation using Risk-Based Corrective Action (RBCA) procedures, and reporting in accordance with the Natural Resources and Environmental Protection Act, P.A. 451 of 1994, Part 213.
- Project Manager for Underground Storage Tank (UST) System Site Assessment projects including removal and in-place closures and reporting in accordance with the Natural Resources and Environmental Protection Act, P.A. 451 of 1994, Part 211.
- Project Manager for Toxic Substance Control Act (TSCA) regulated projects, including contaminant delineation, remediation, and reporting in accordance with 40 CFR 761, Subpart D.
- Project Manager for Vapor Encroachment Intrusion, and Indoor Air Assessments in accordance with Natural Resources and Environmental Protection Act, P.A. 451 of 1994, Parts 201 and 213, and ASTM E-2600.
- Project Manager for drilling of soil borings, installation of monitoring wells, collection of soil samples, development of monitoring wells, aquifer testing, installation of remediation systems, and operating and maintenance of remediation systems.
- Provide Peer Technical Oversight to staff members on Due Diligence projects and RBCA Closures.
- Experience with Local, State, and Federal Regulatory Acts.
- Site-Specific Health and Safety Plan Evaluation and Development.